

PERICOLUL DIN AER PARTICULE MAGNETIZABILE -CARBURĂ DE SILICIU, METALE-

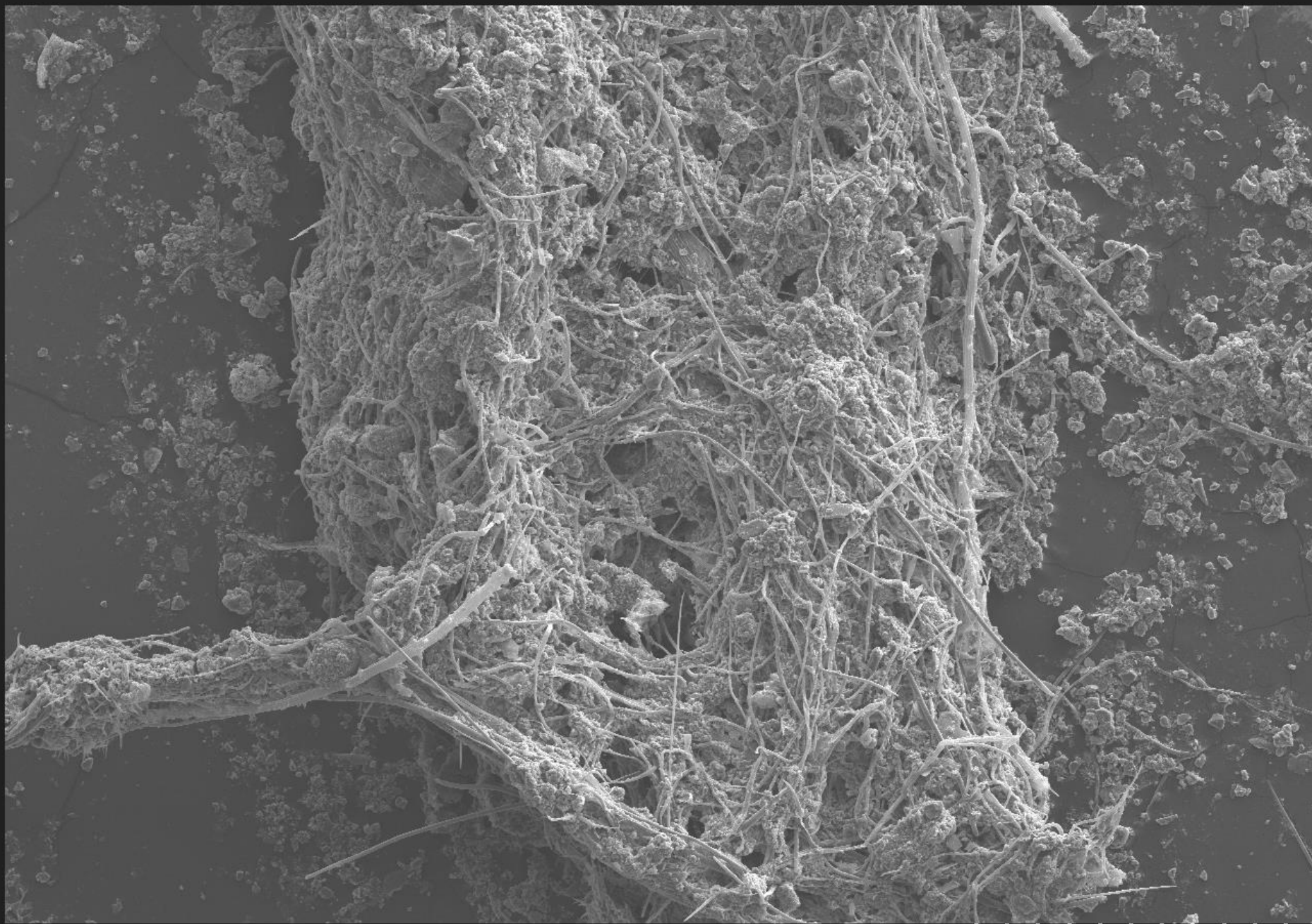
Dr. Geanina Hagimă

APĂ DE PLOAIE CU SEDIMENT MAGNETIZABIL INTEGRAL



ANALIZA CU MICROSCOPUL ELECTRONIC A SEDIMENTULUI DIN APA DE PLOAIE

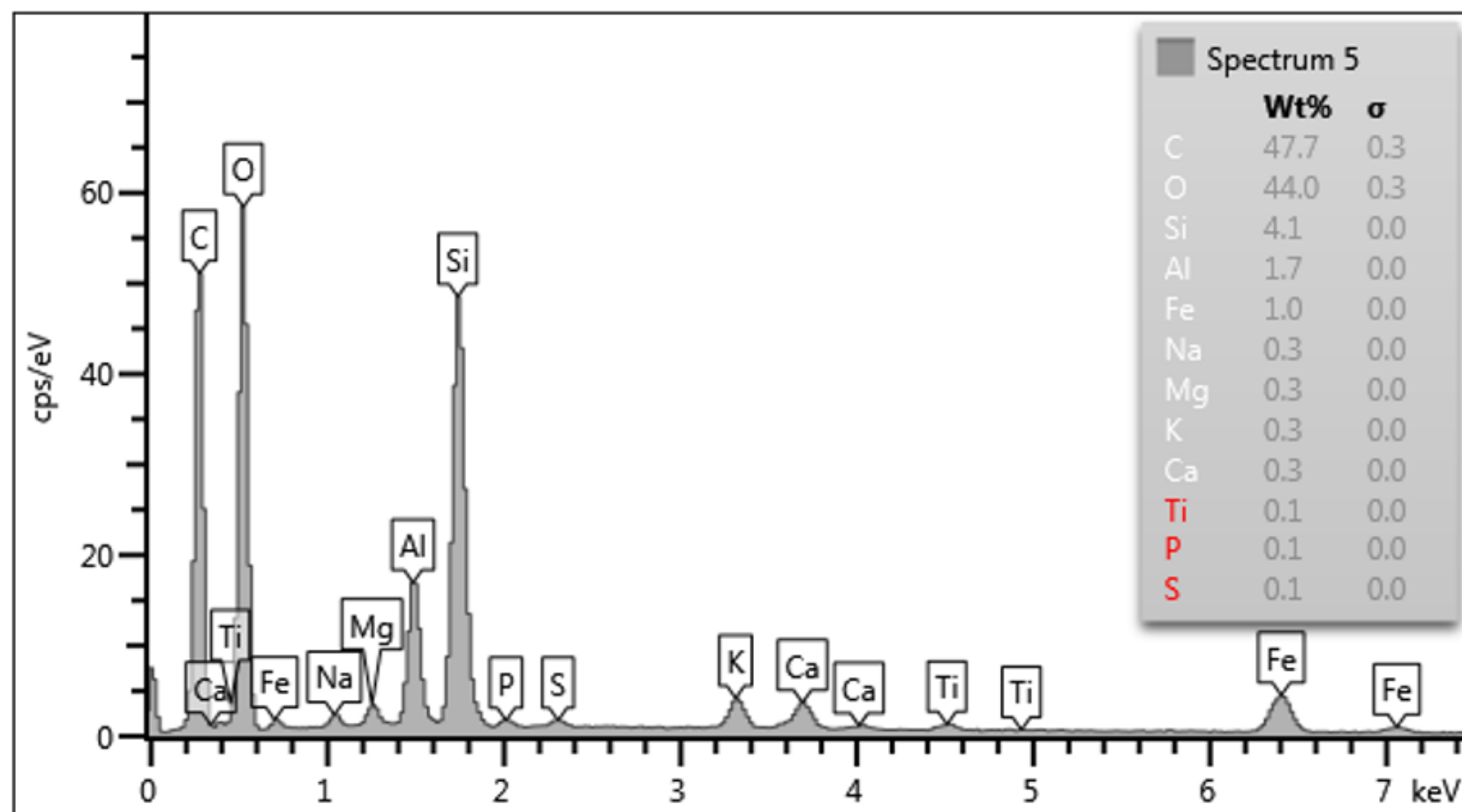
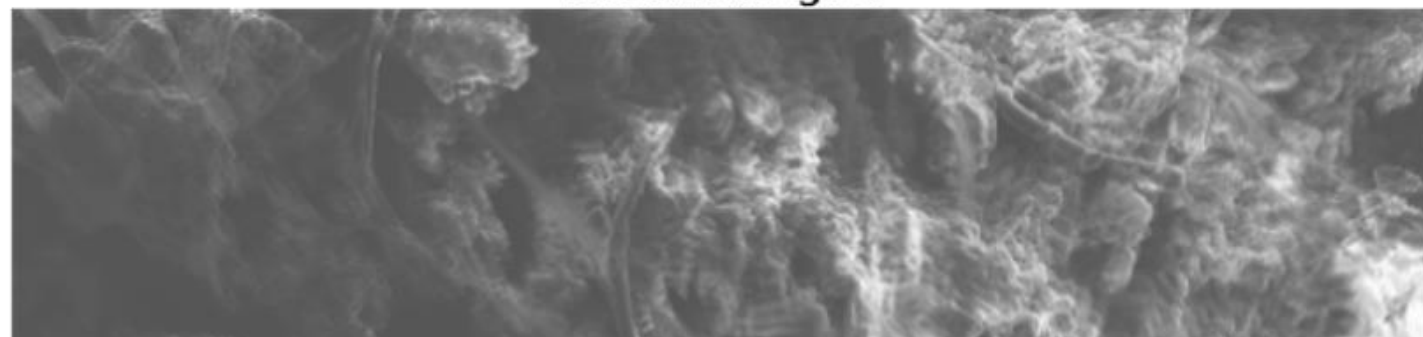
microscopie electronica prin transmisie cu scanare ,
spectroscopie cu raze X prin dispersie energetica - Energy-dispersive X ray spectroscopy (EDS)

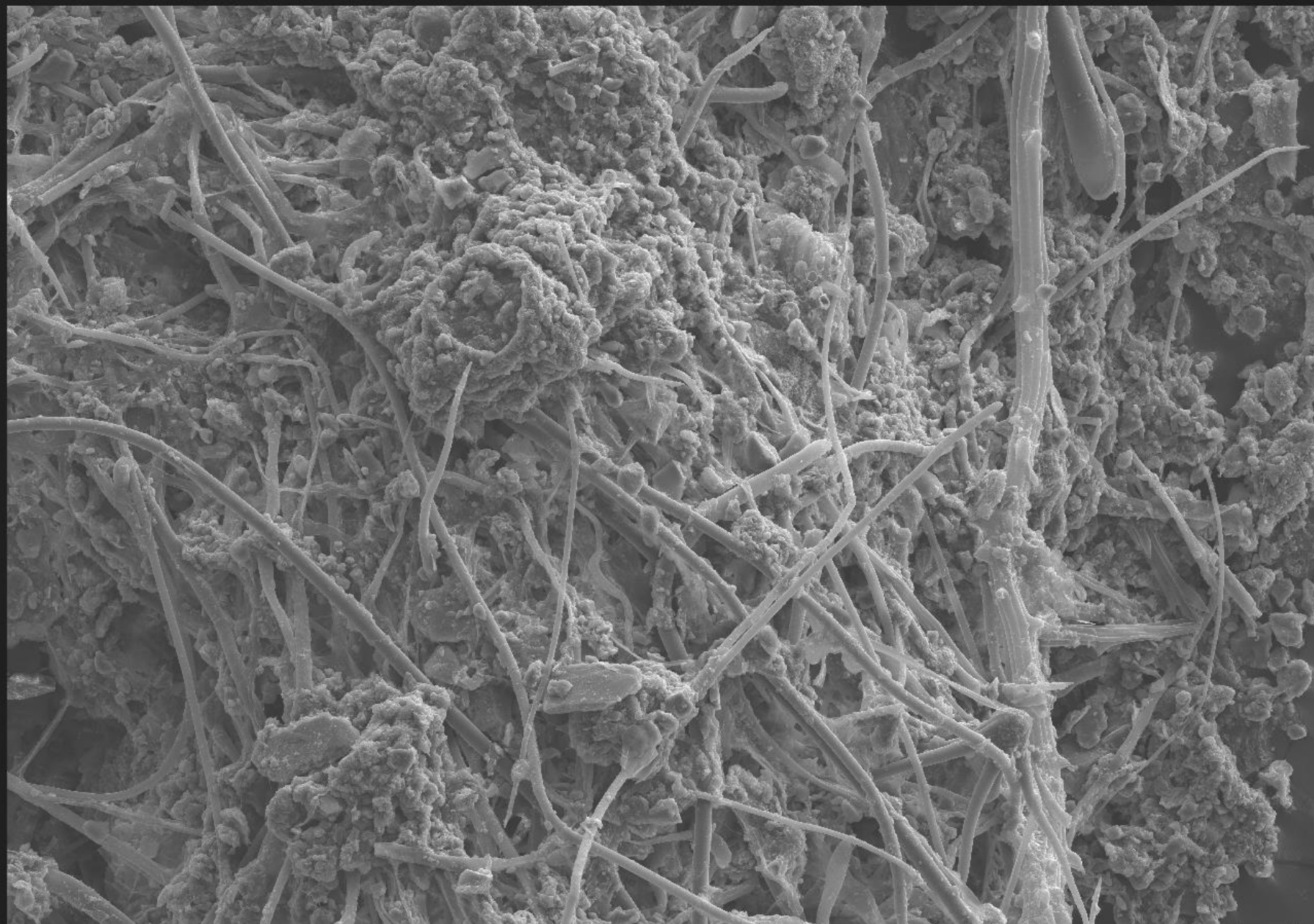


LBT 30.0kV 11.2mm x30 LM(UL)

1.00mm

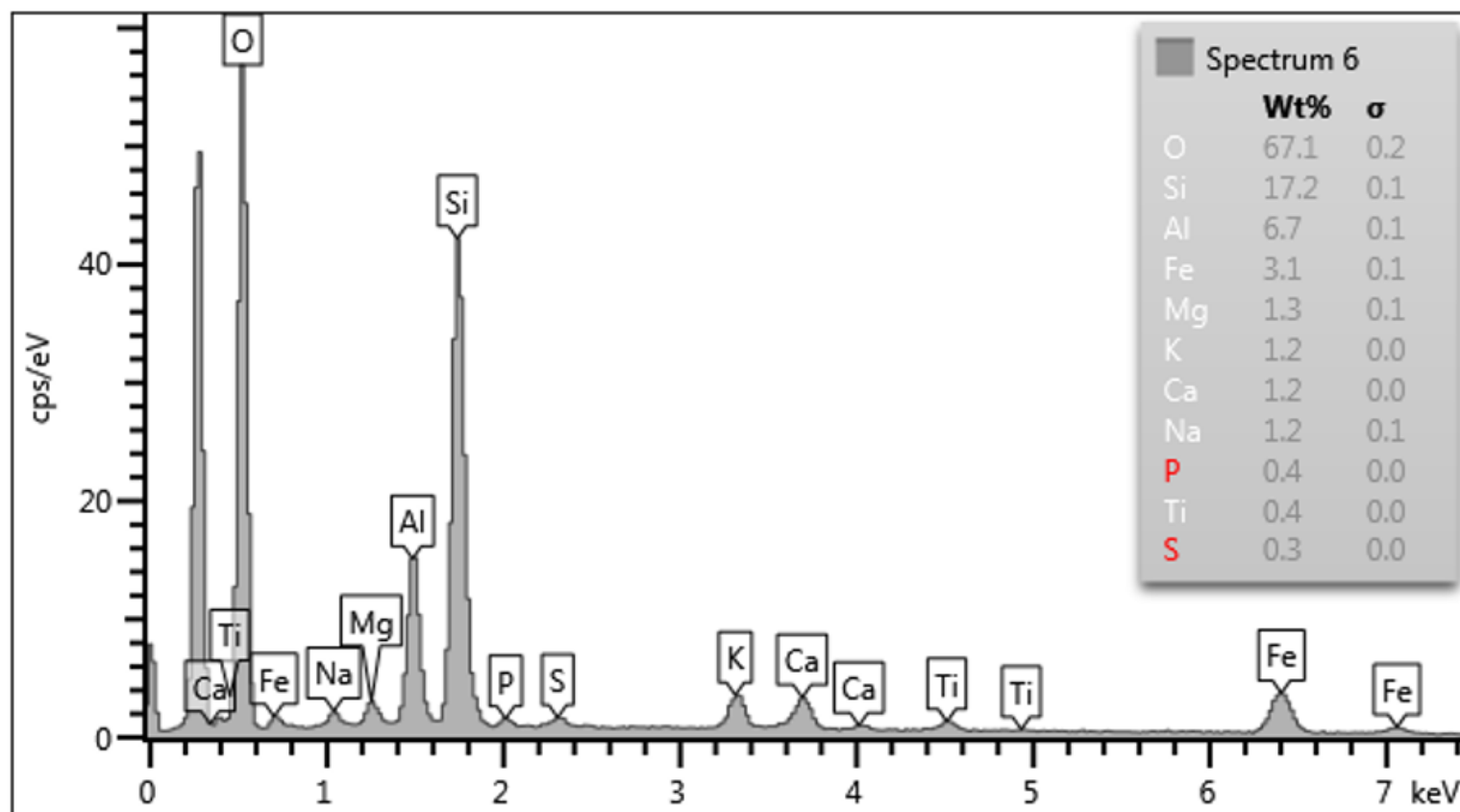
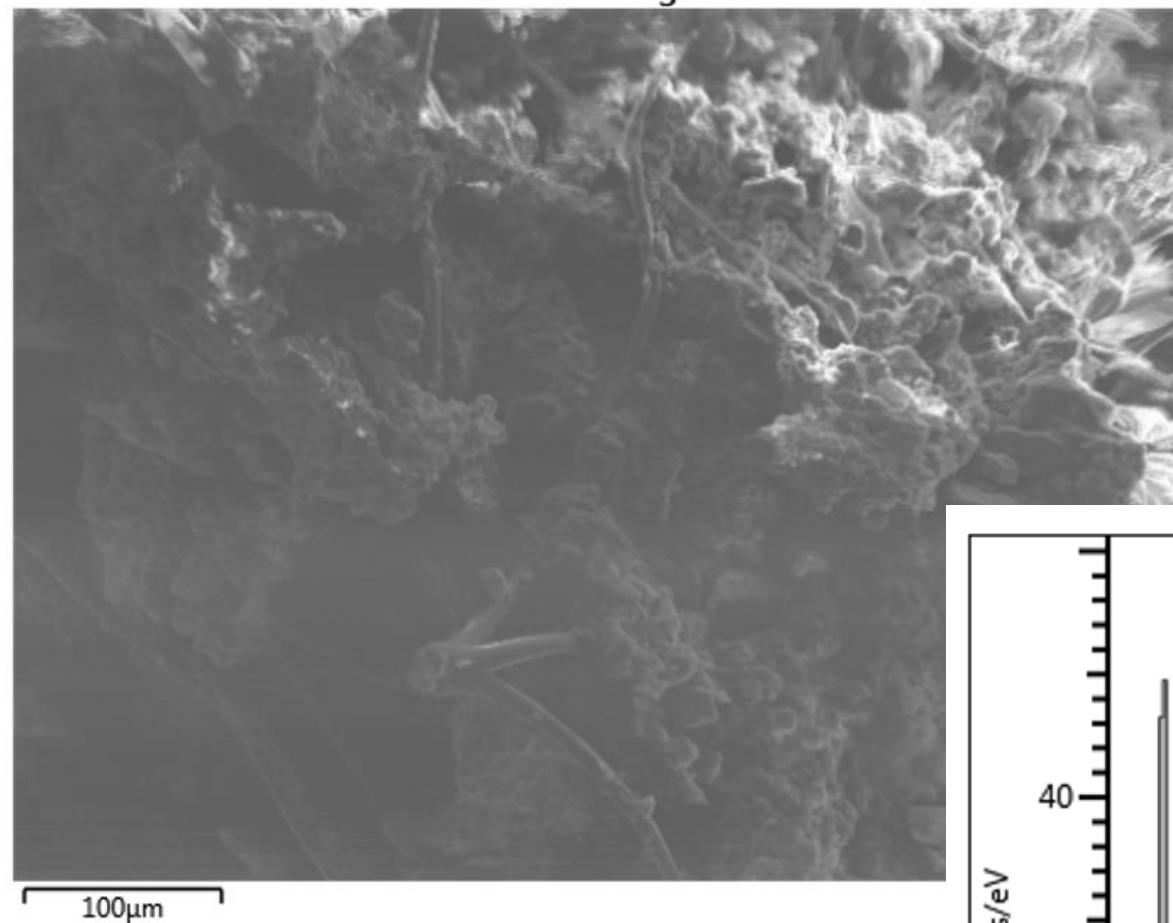
Electron Image 8

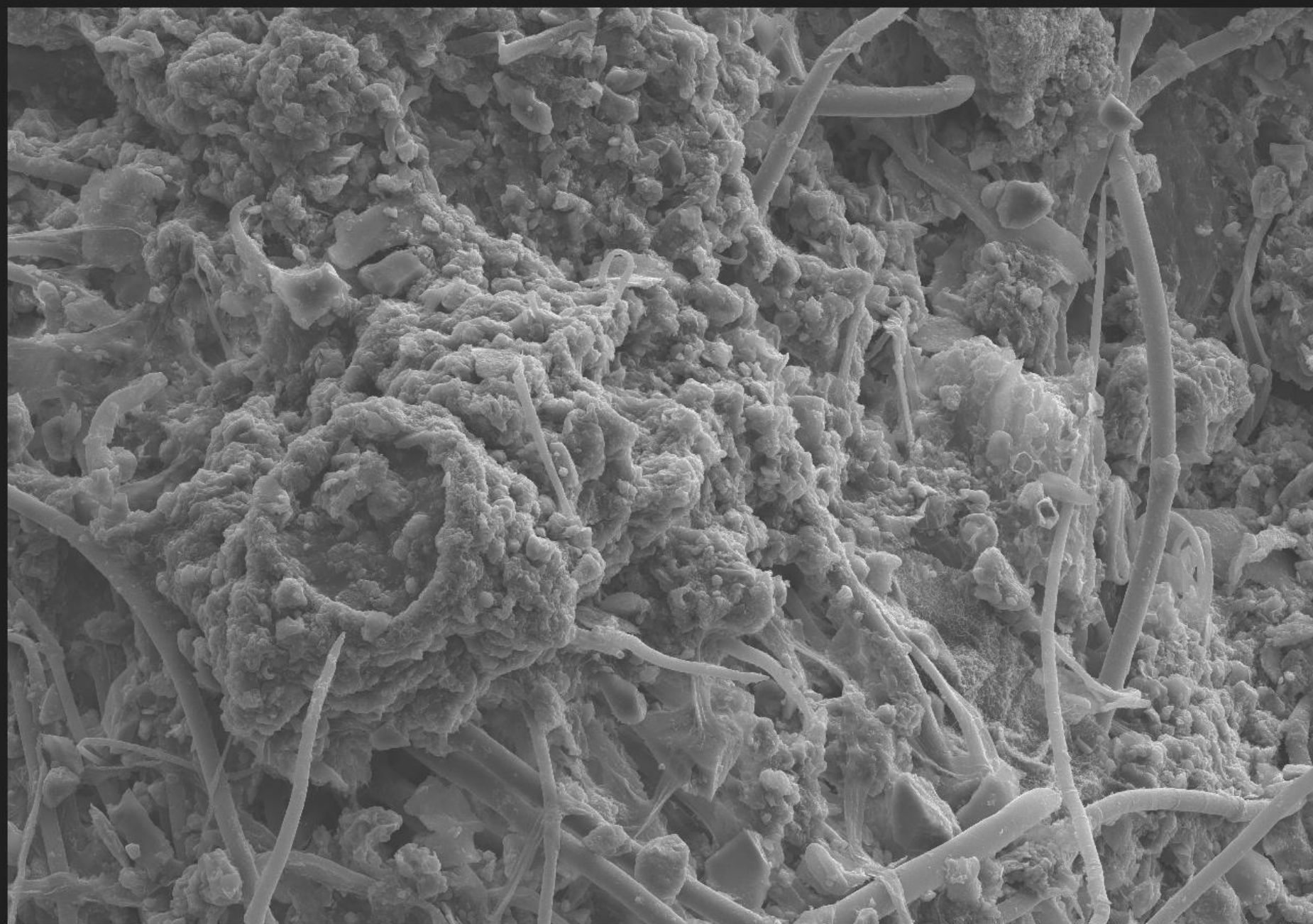




LBT 30.0kV 11.2mm x100 LM(UL)

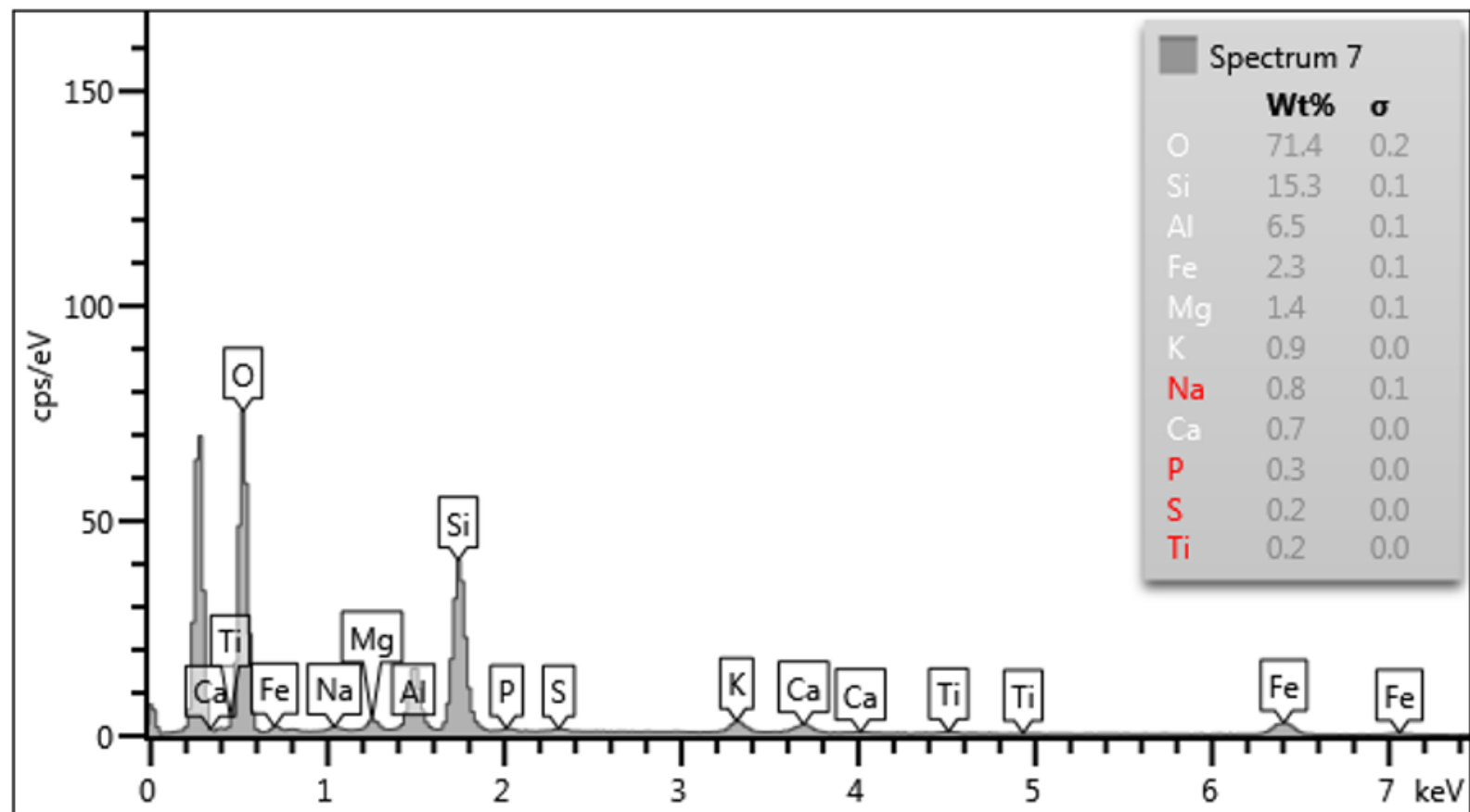
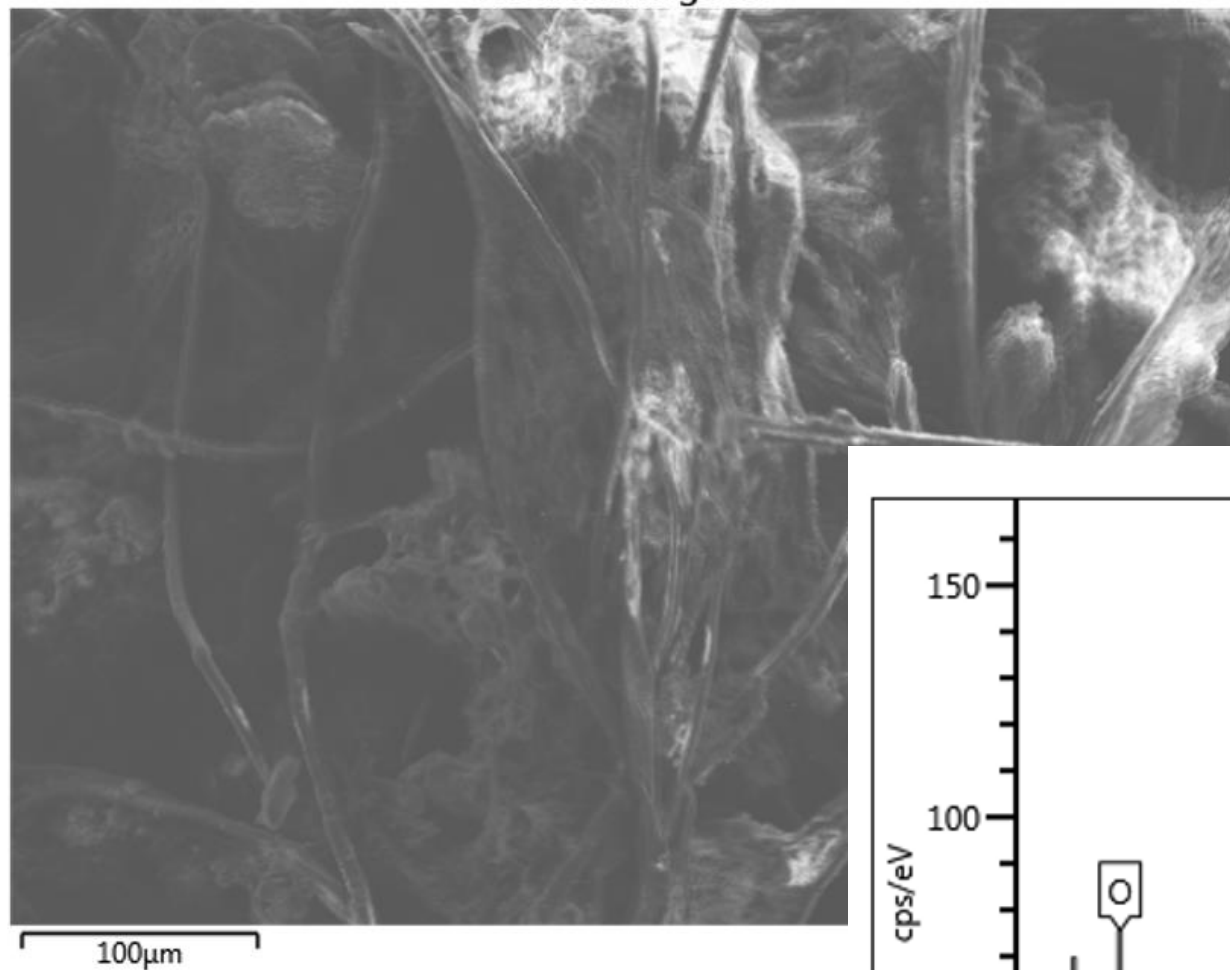
500μm

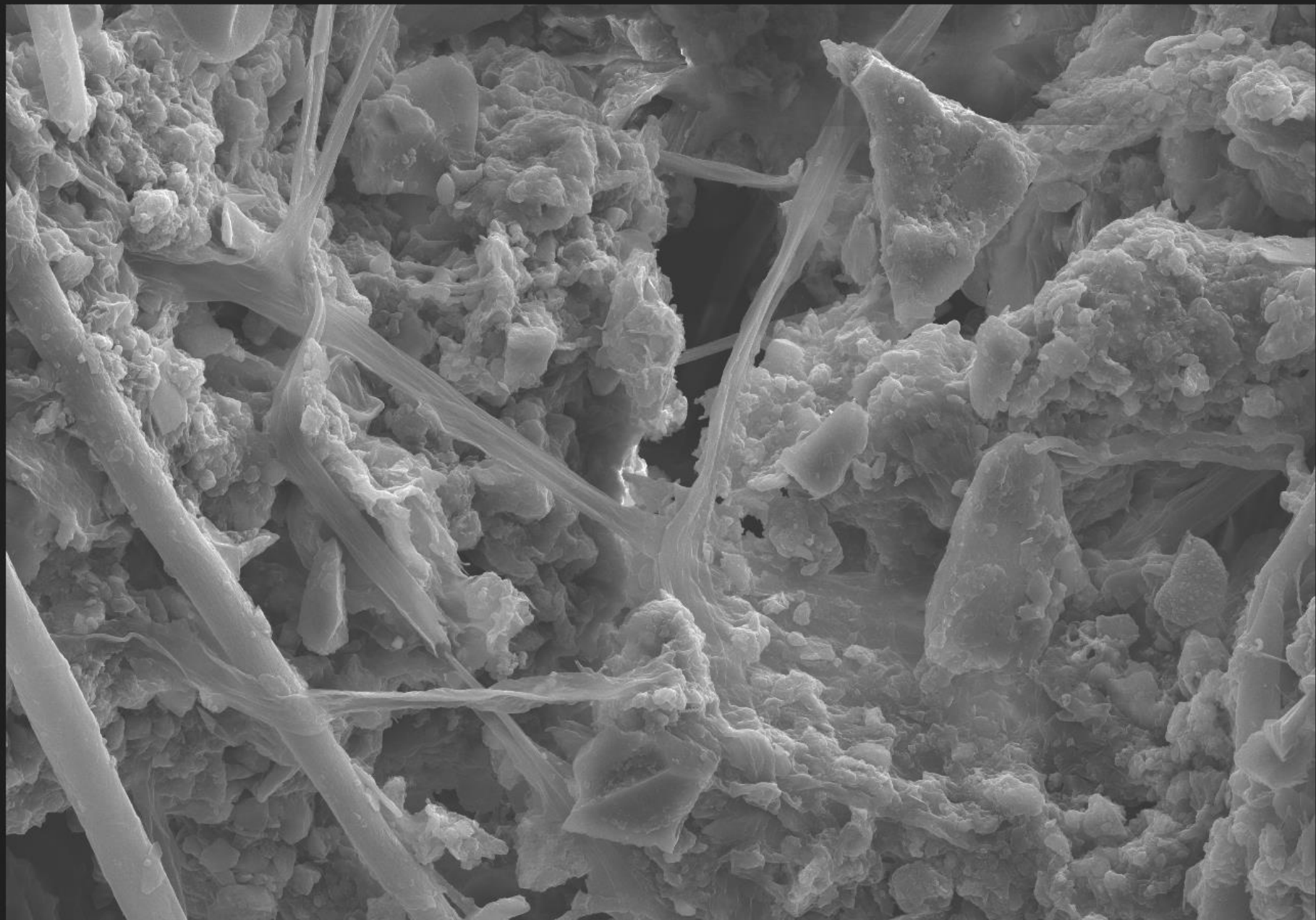




LBT 30.0kV 11.2mm x200 LM(UL)

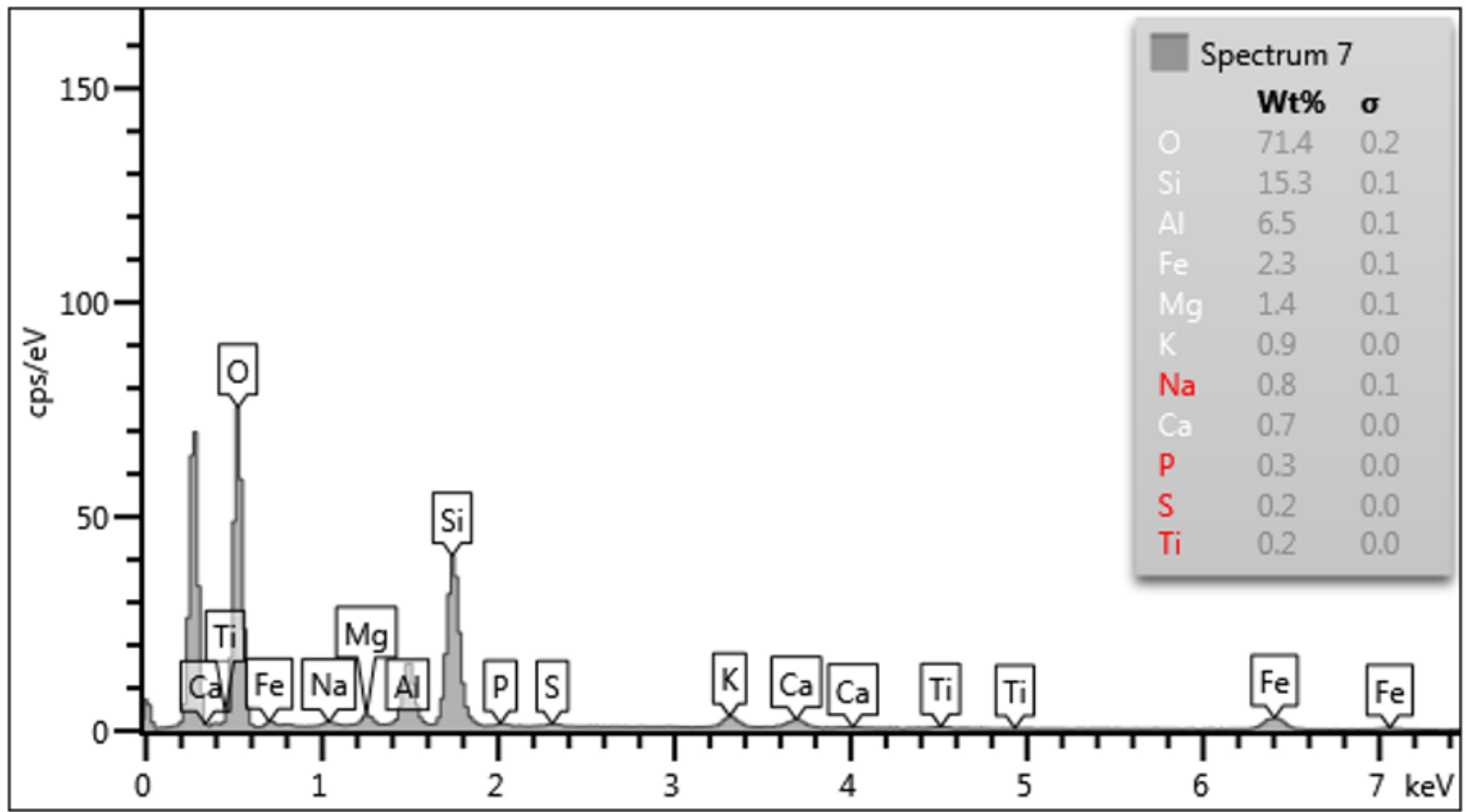
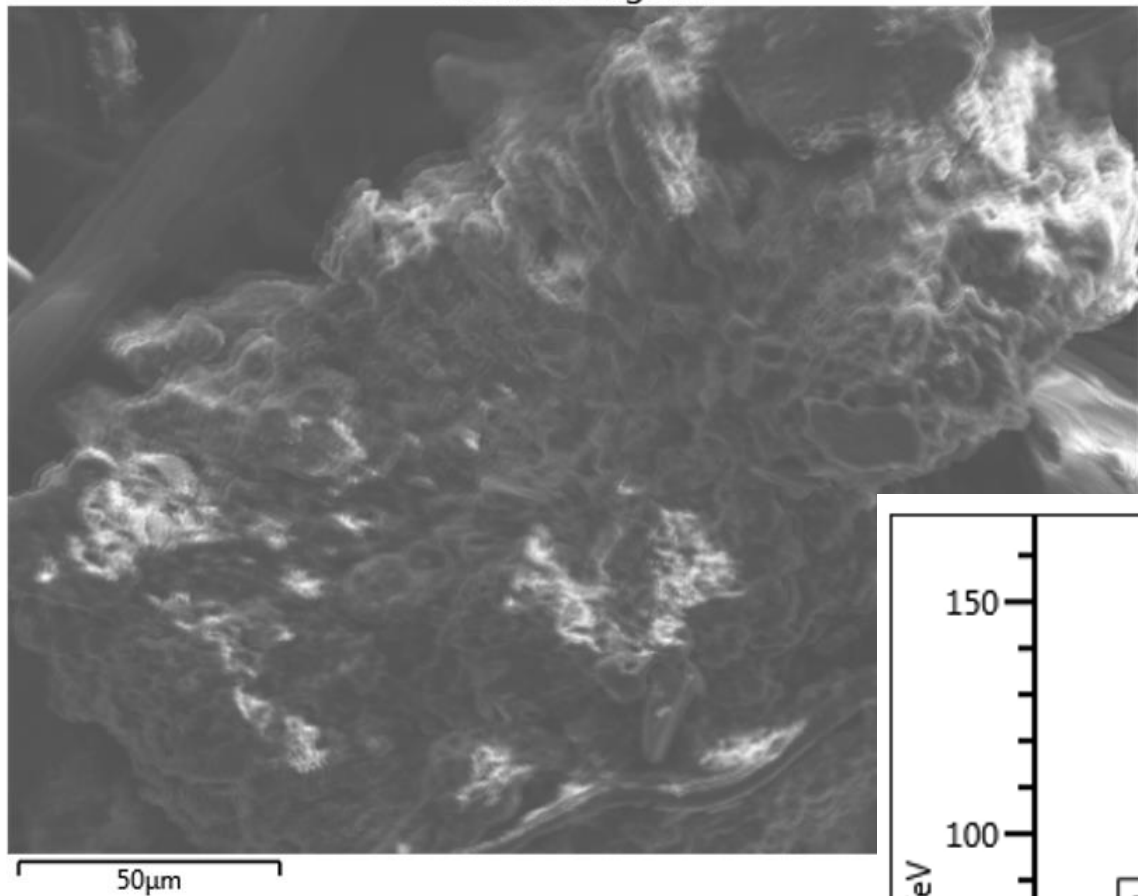
200μm

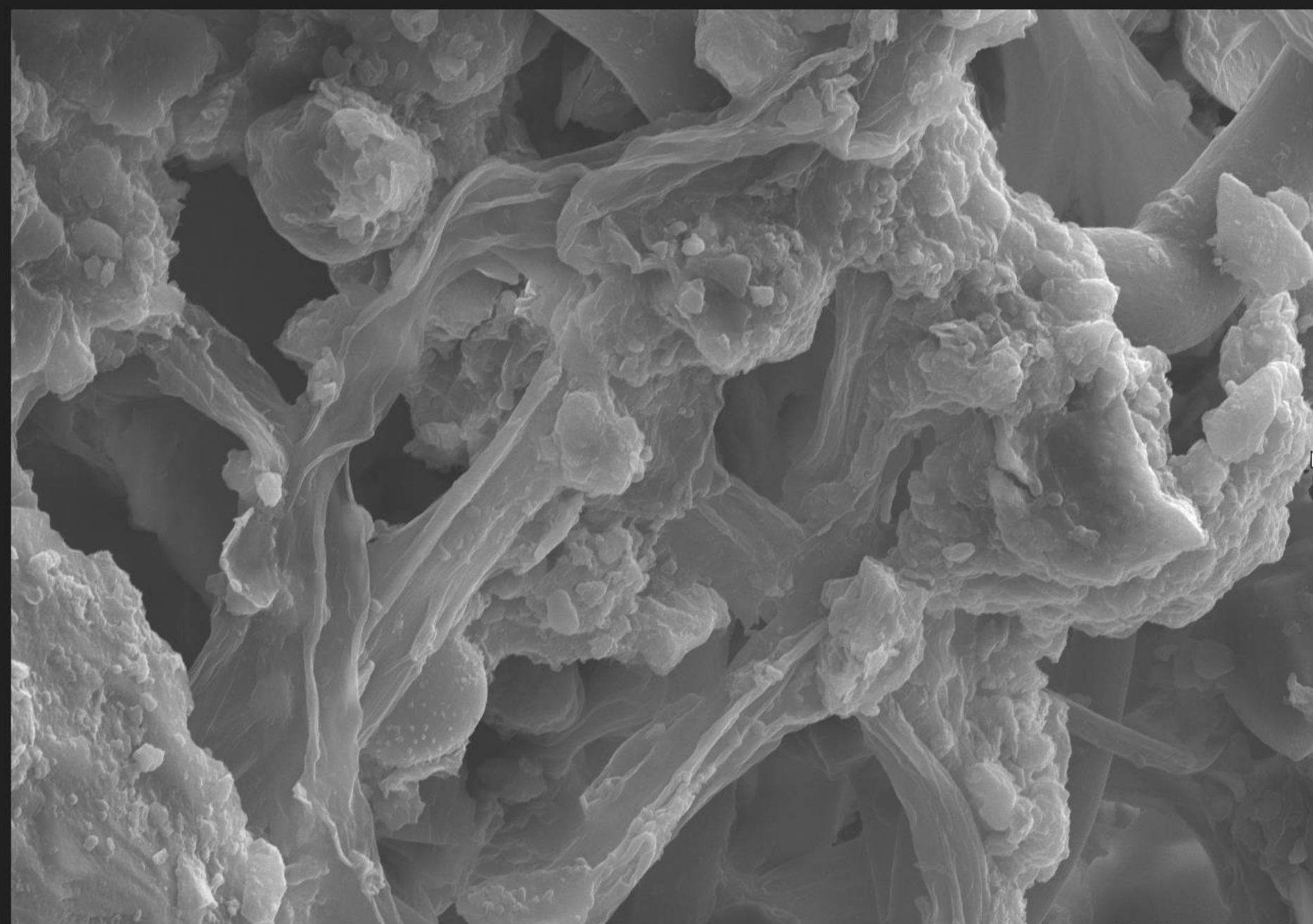




LBT 30.0kV 11.2mm x450 LM(UL)

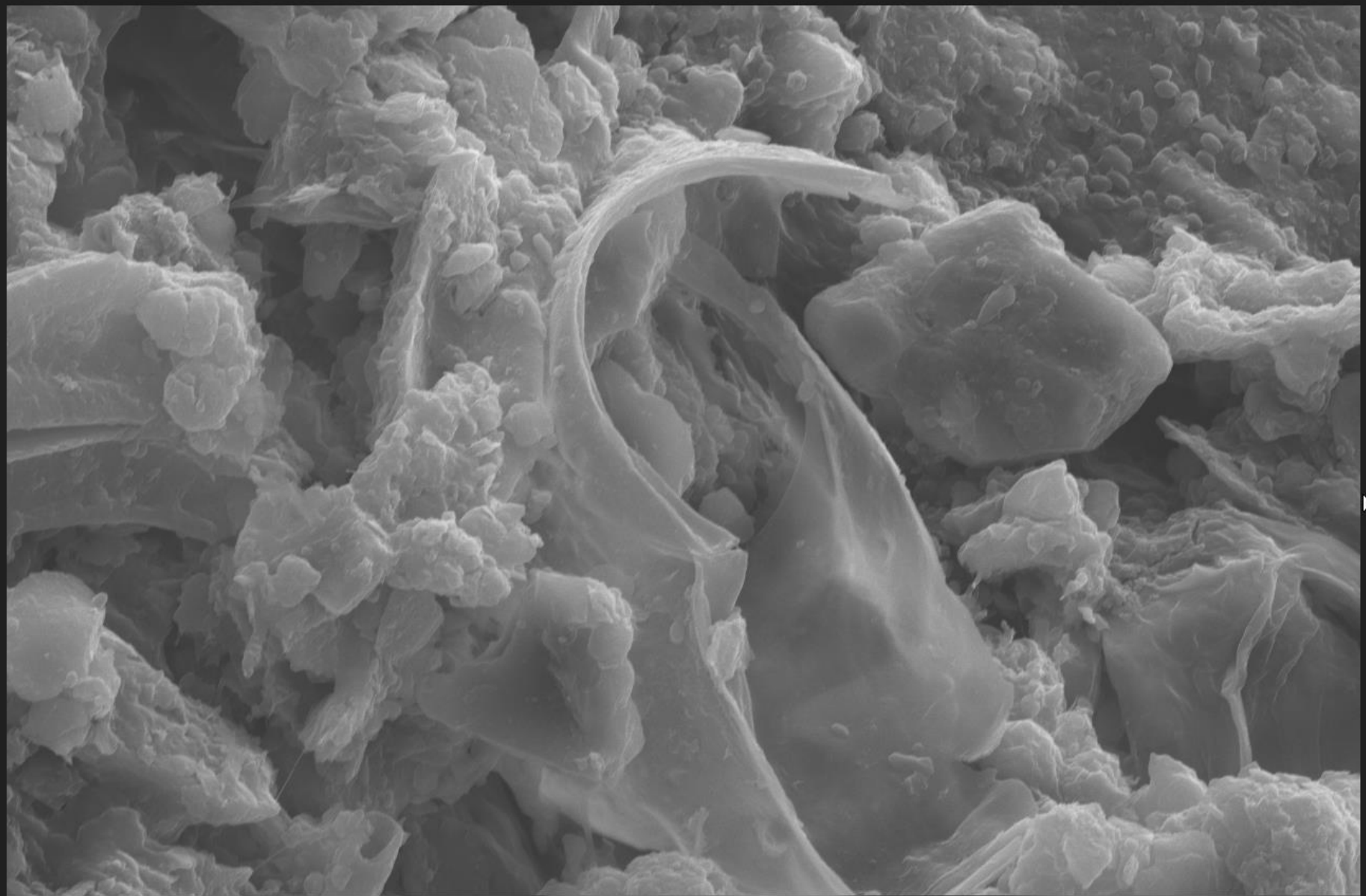
100μm





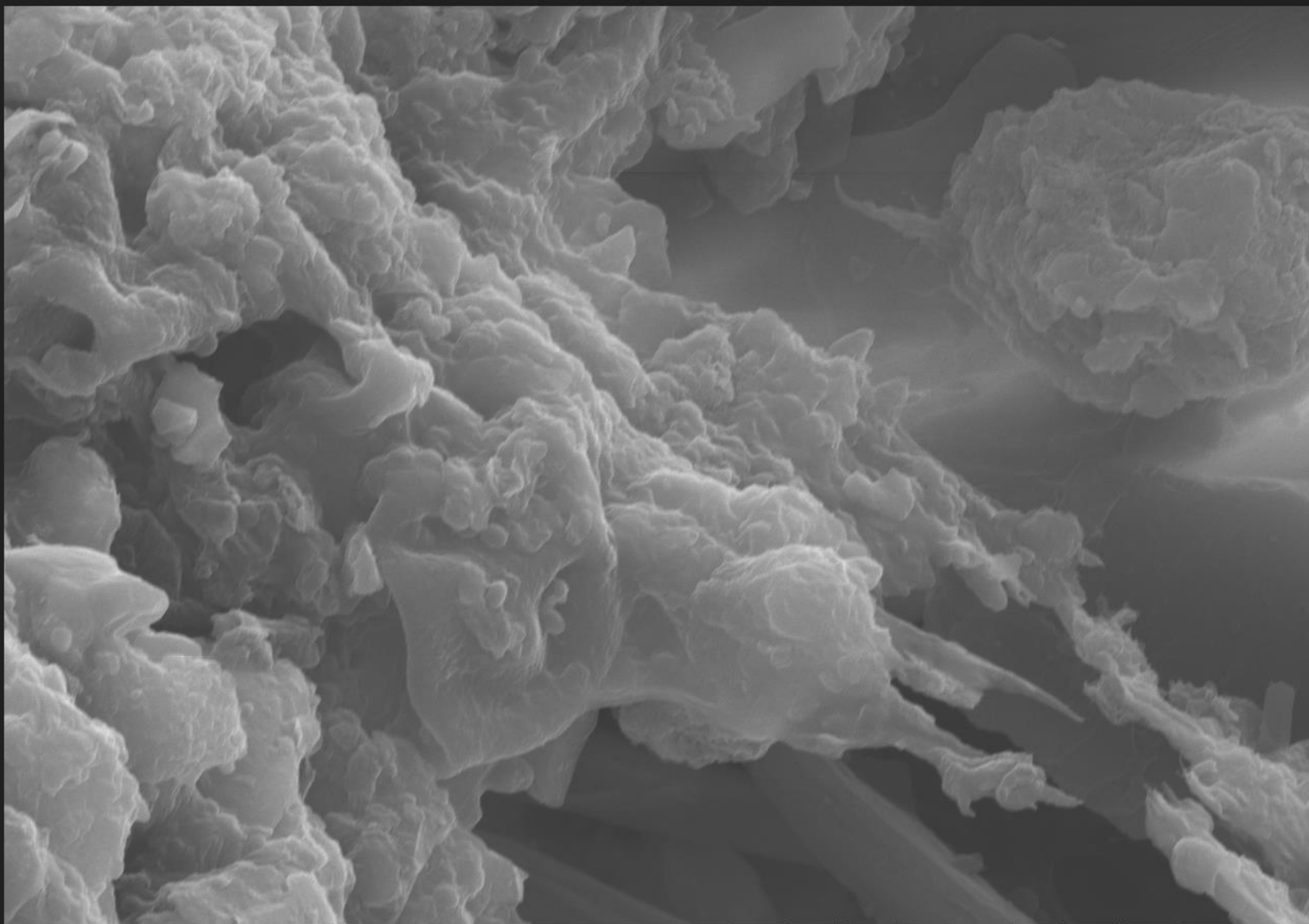
LBT 30.0kV 11.2mm x800 LM(UL)

50.0μm



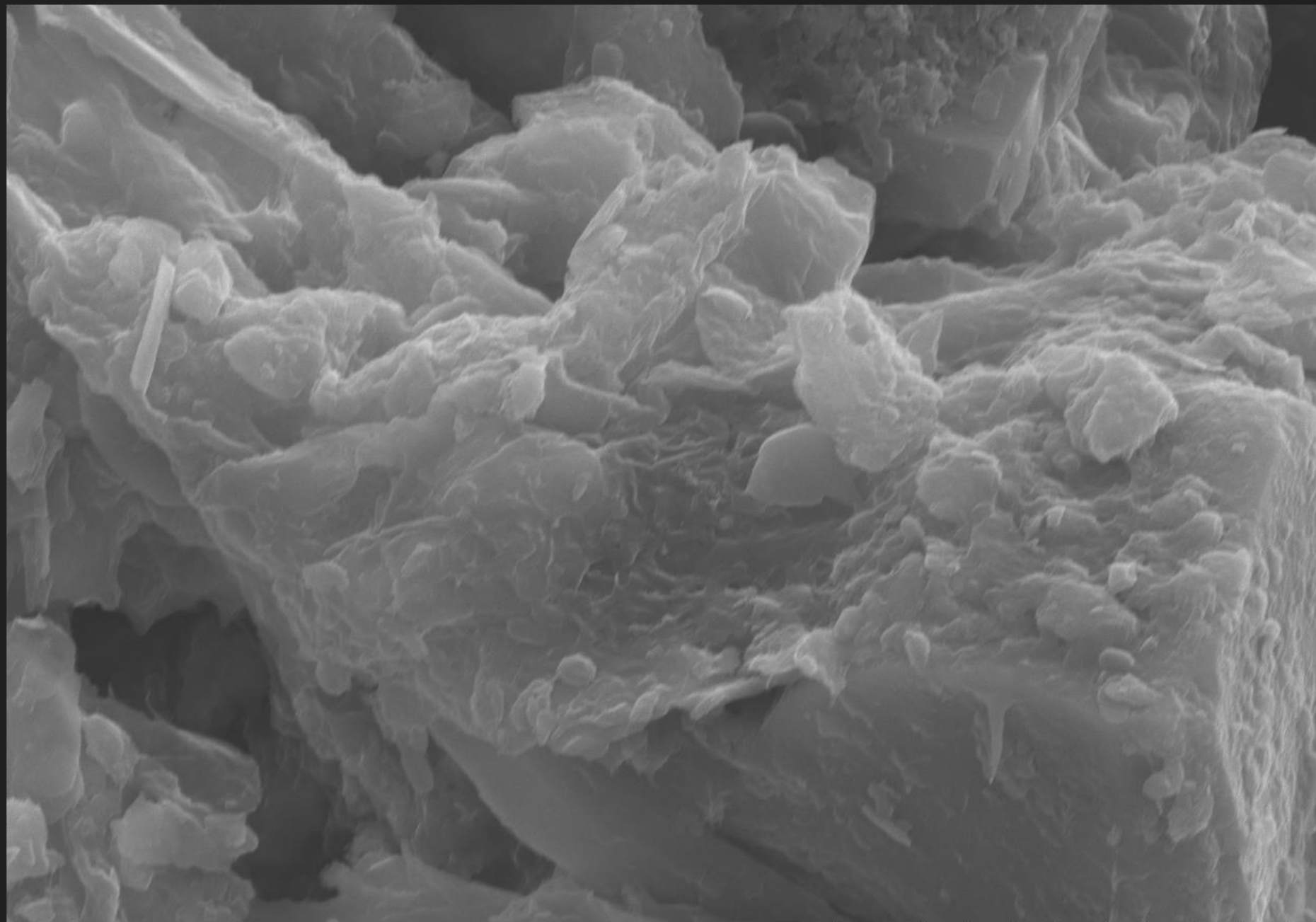
LBT 0.0kV 11.2mm x1.10k LM(UL)

50.0μm



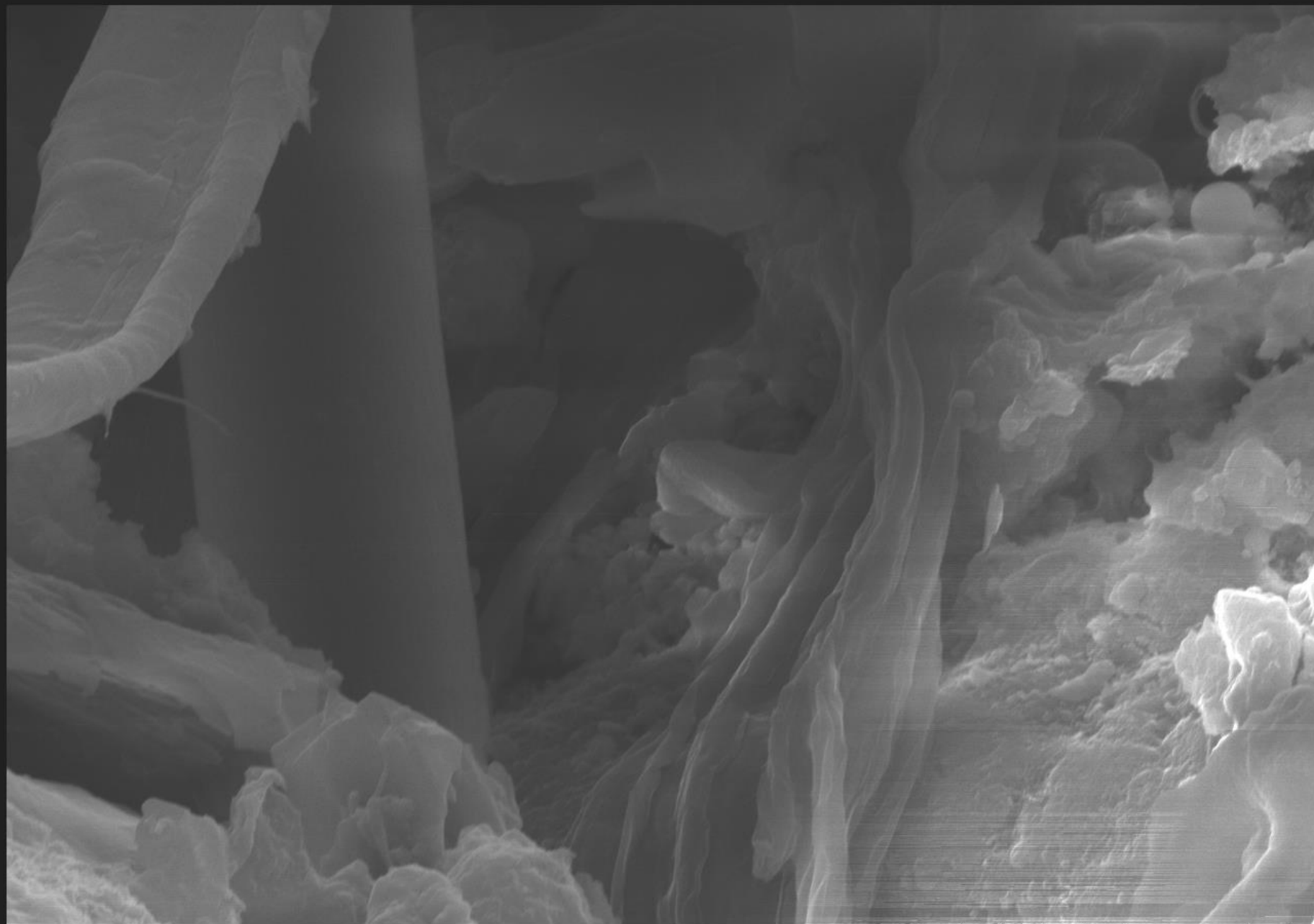
LBT 30.0kV 11.2mm x1.80k LM(UL)

30.0μm



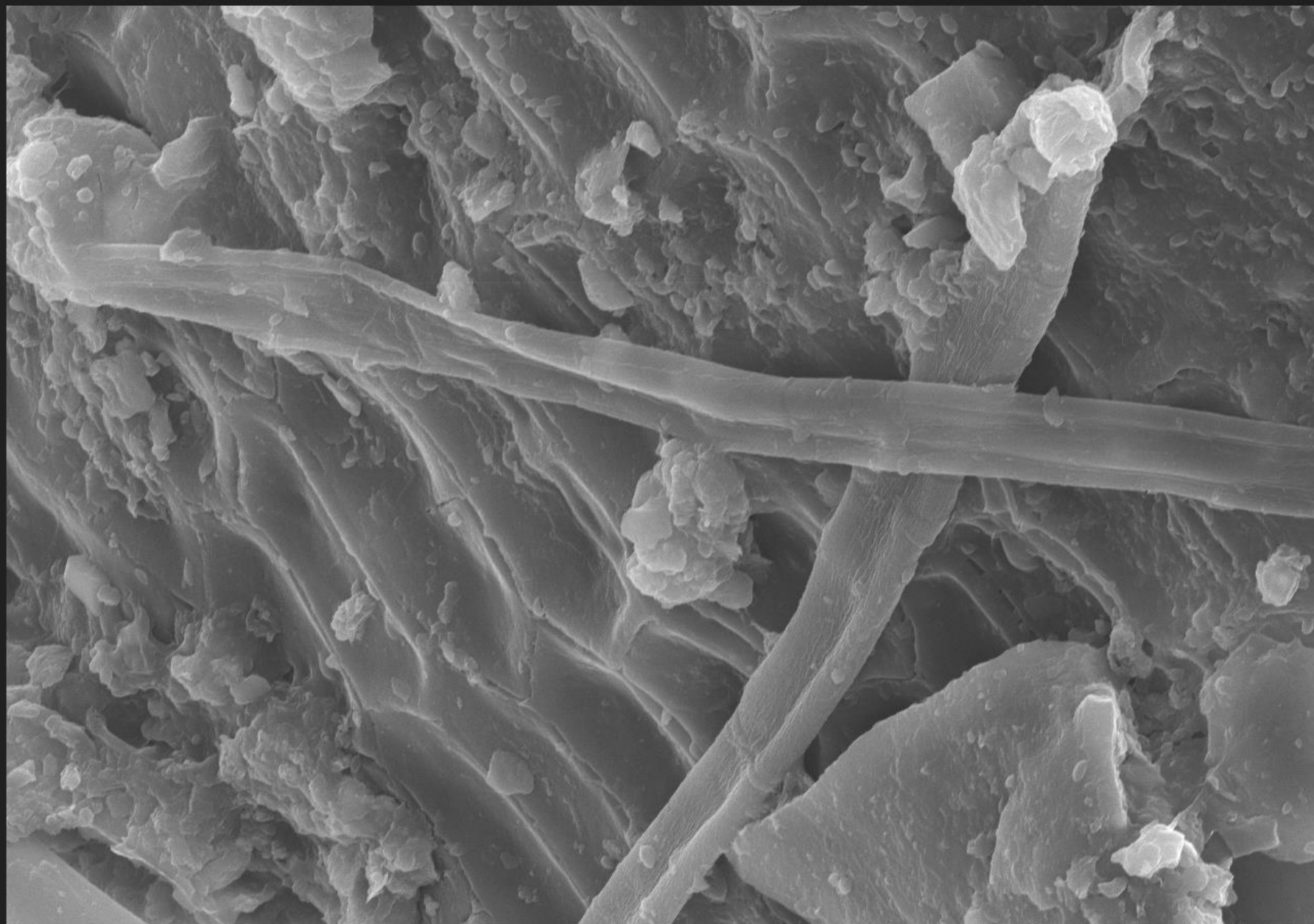
LBT 30.0kV 11.2mm x2.20k LM(UL)

20.0μm



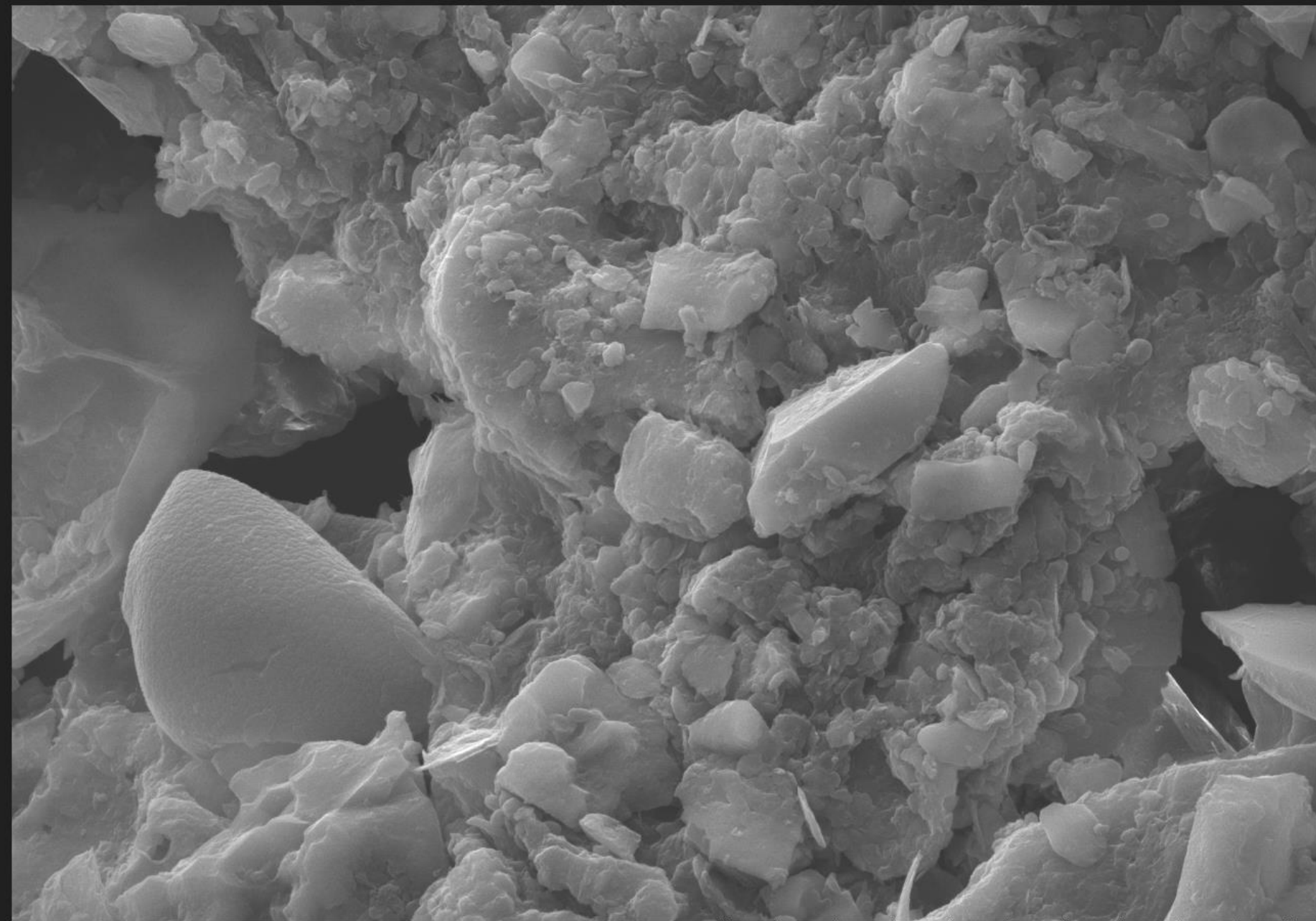
LBT 30.0kV 11.2mm x2.00k LM(UL)

20.0μm



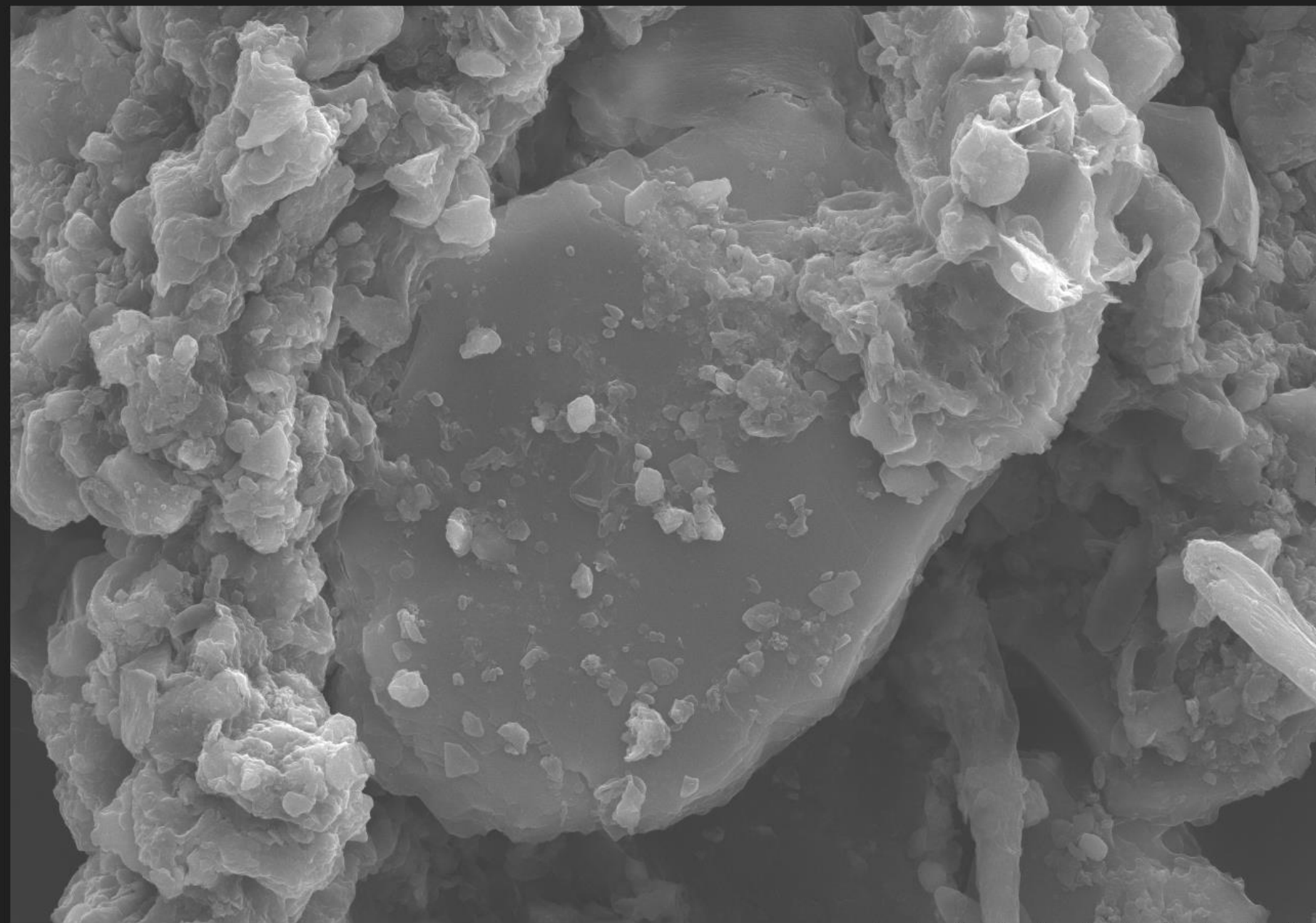
LBT 30.0kV 11.2mm x1.00k LM(UL)

50.0μm



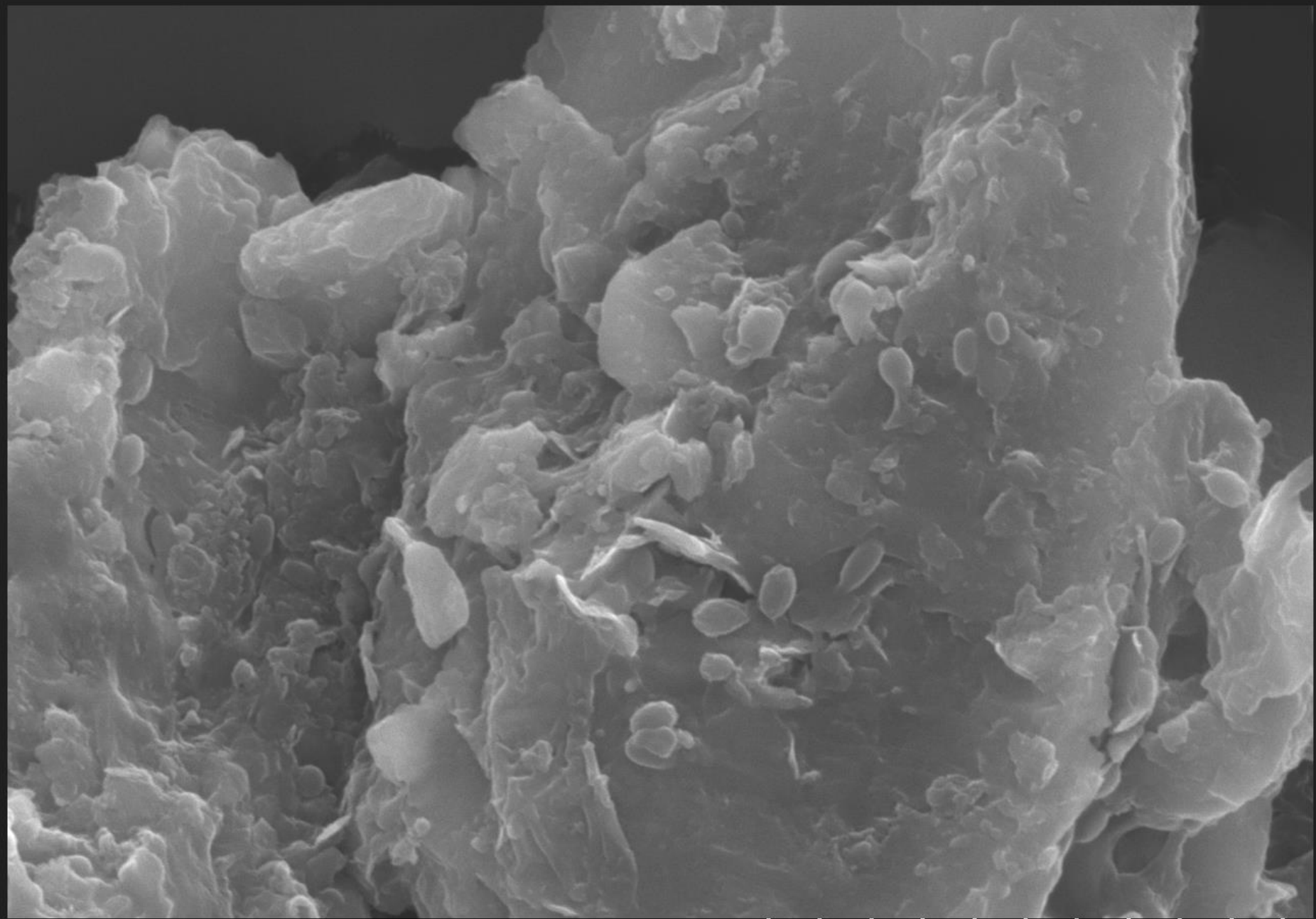
LBT 30.0kV 11.2mm x1.10k LM(UL)

50.0μm



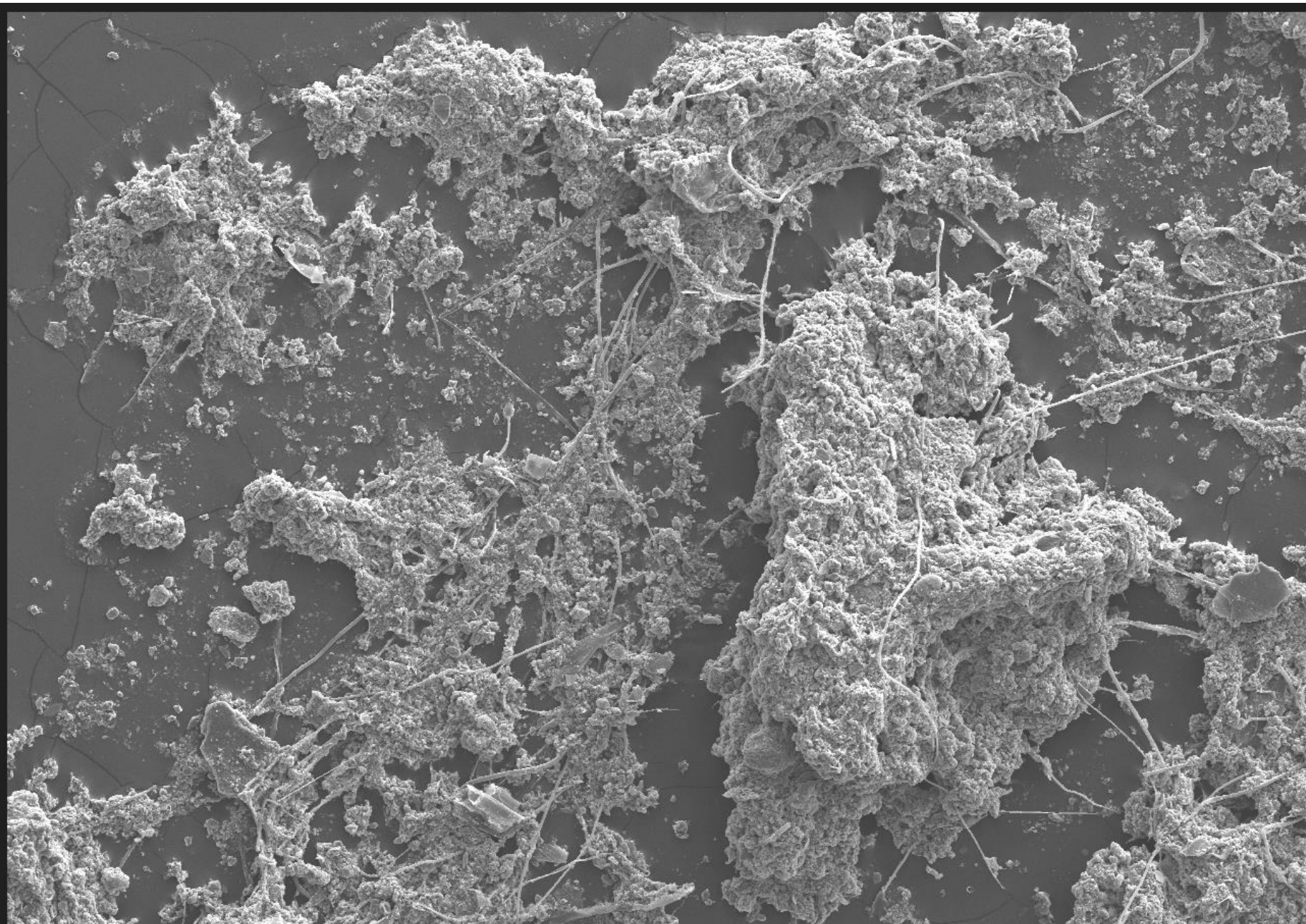
LBT 30.0kV 11.2mm x800 LM(UL)

50.0μm



LBT 30.0kV 11.2mm x2.50k LM(UL)

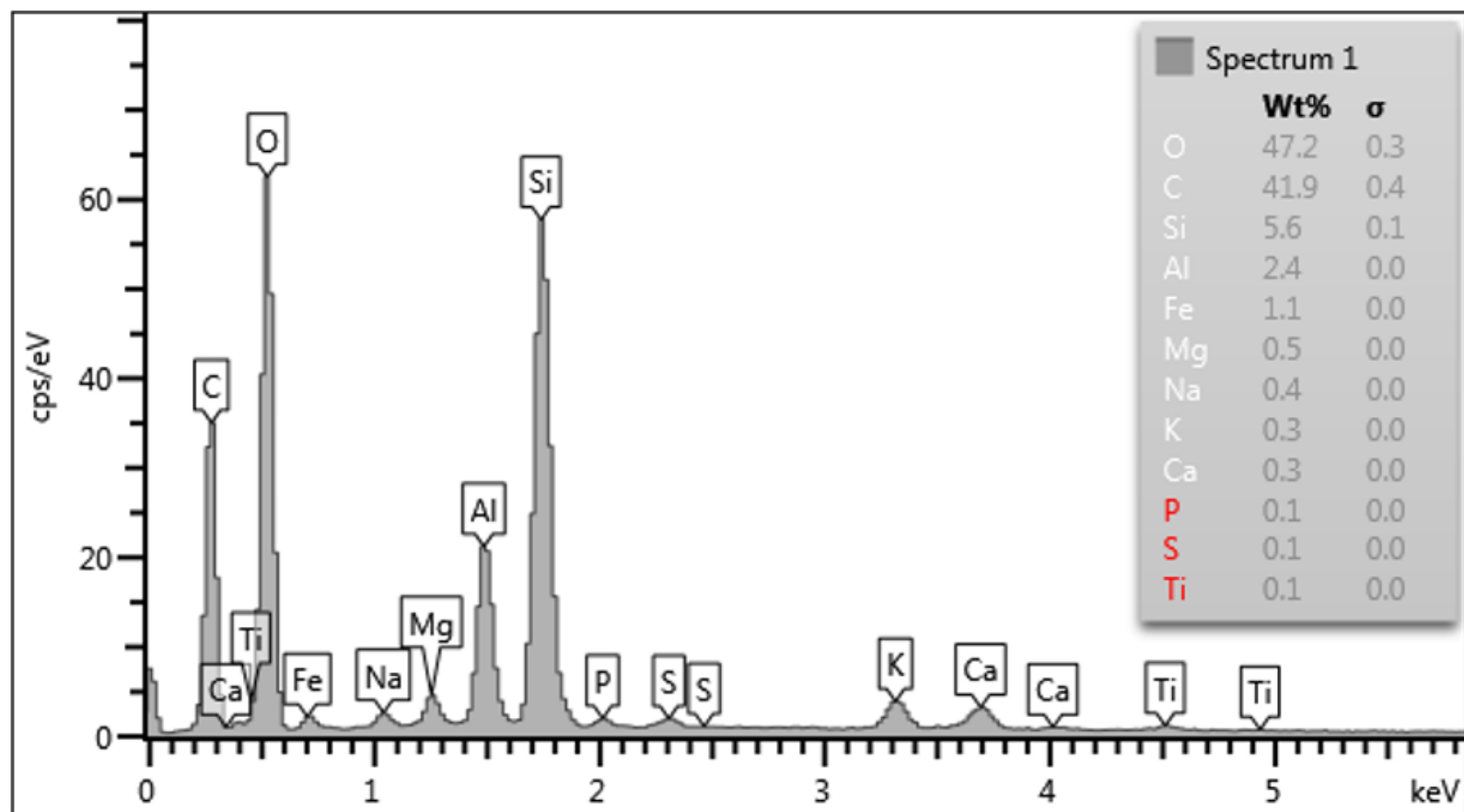
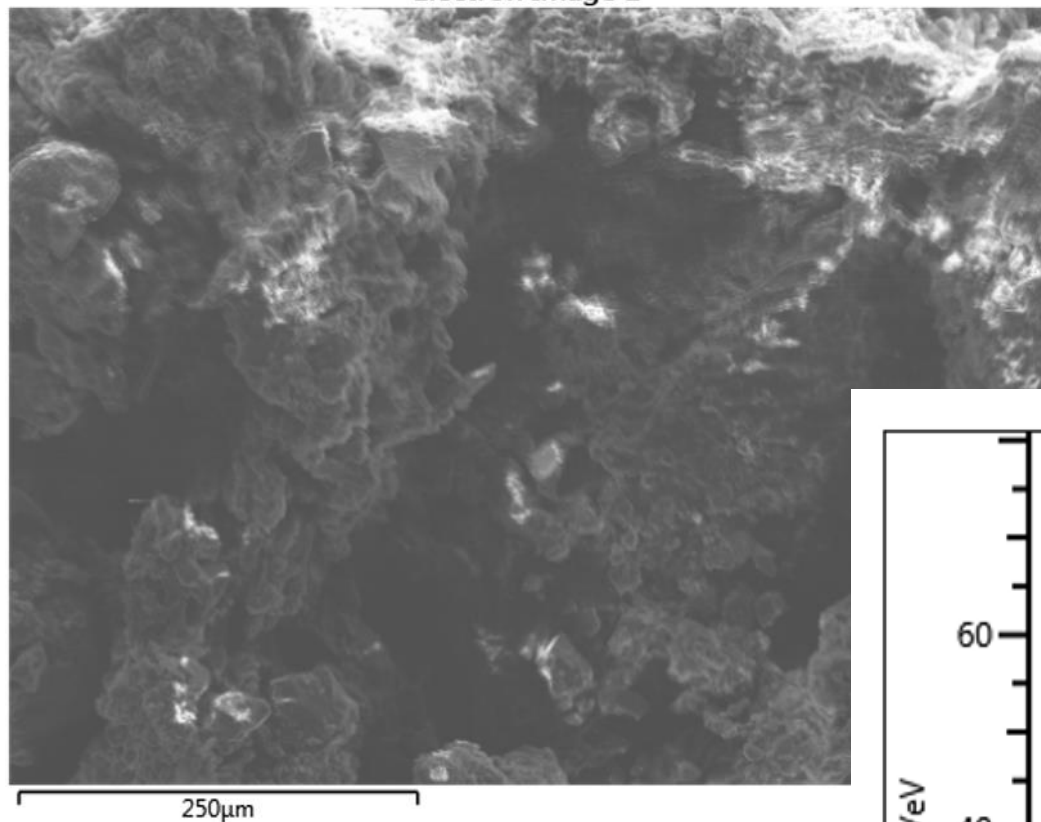
20.0μm

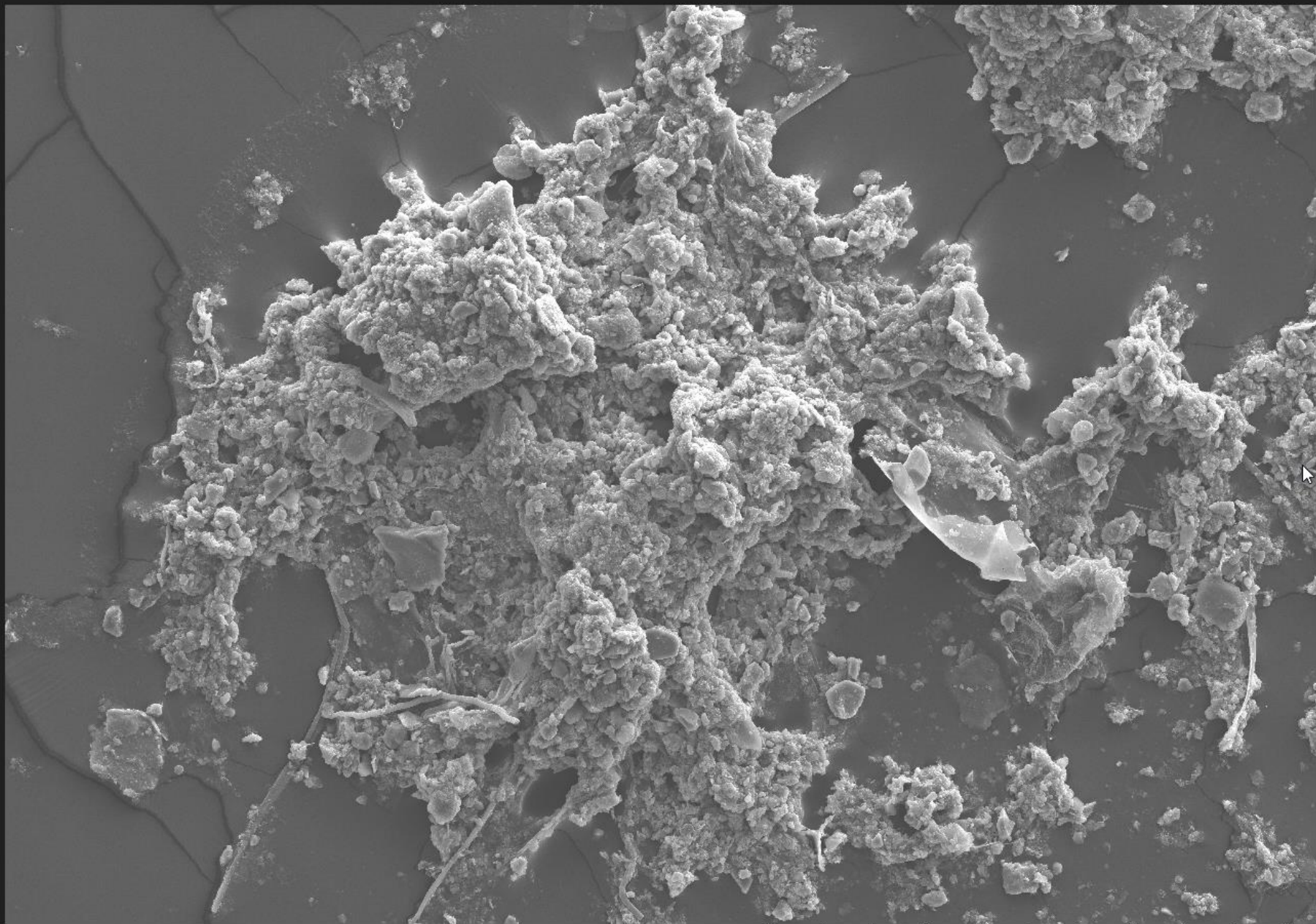


LBT 30.0kV 11.2mm x30 LM(UL)

1.00mm

Electron image 1

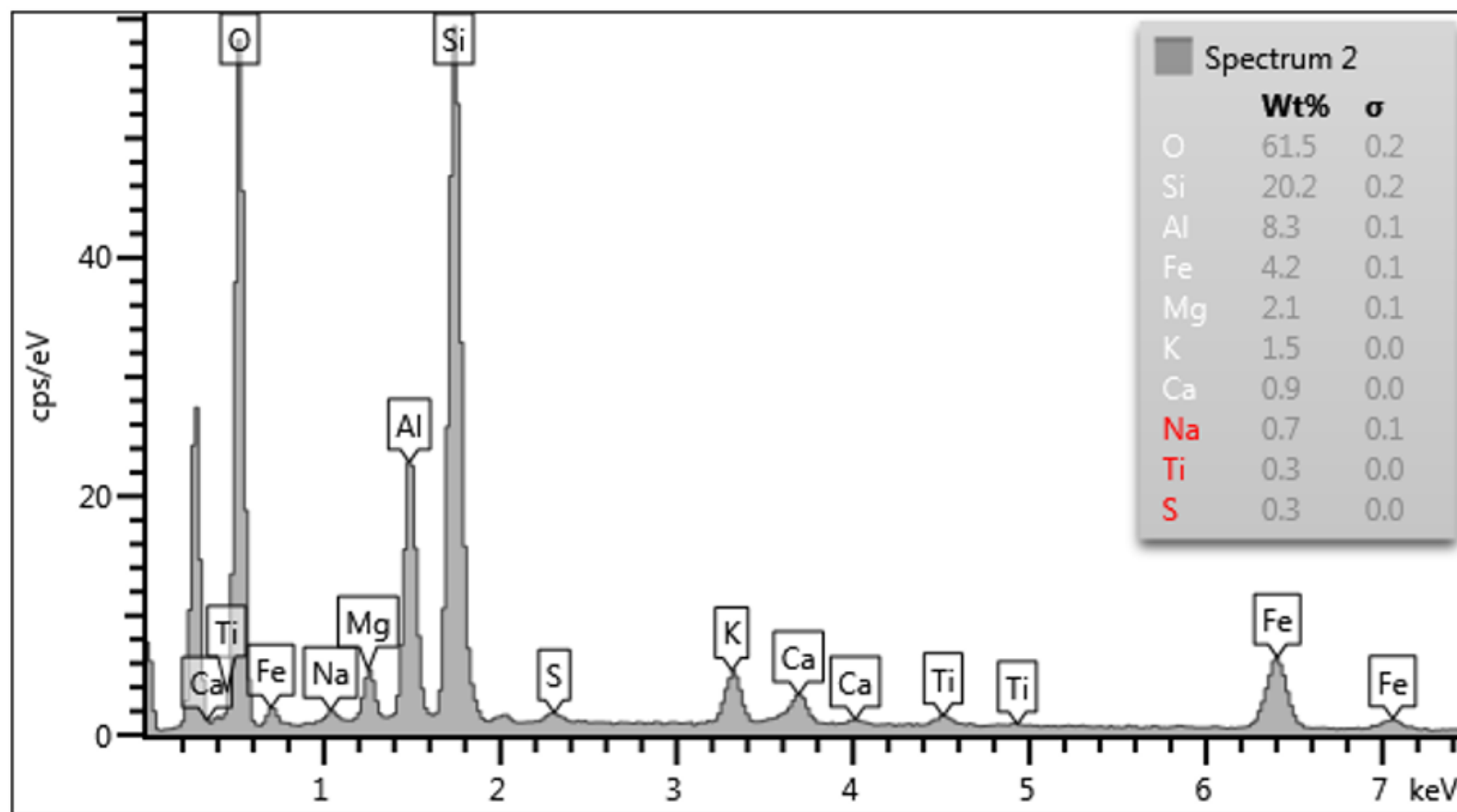
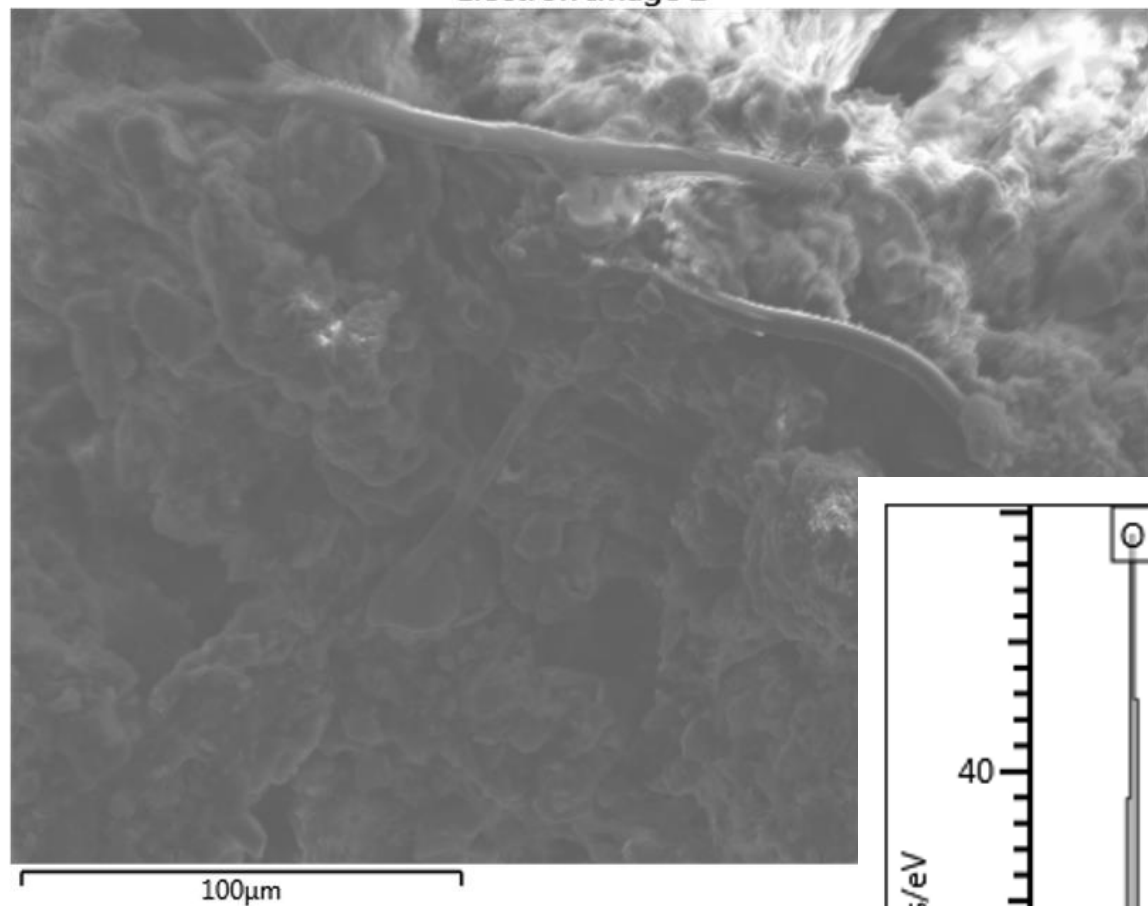


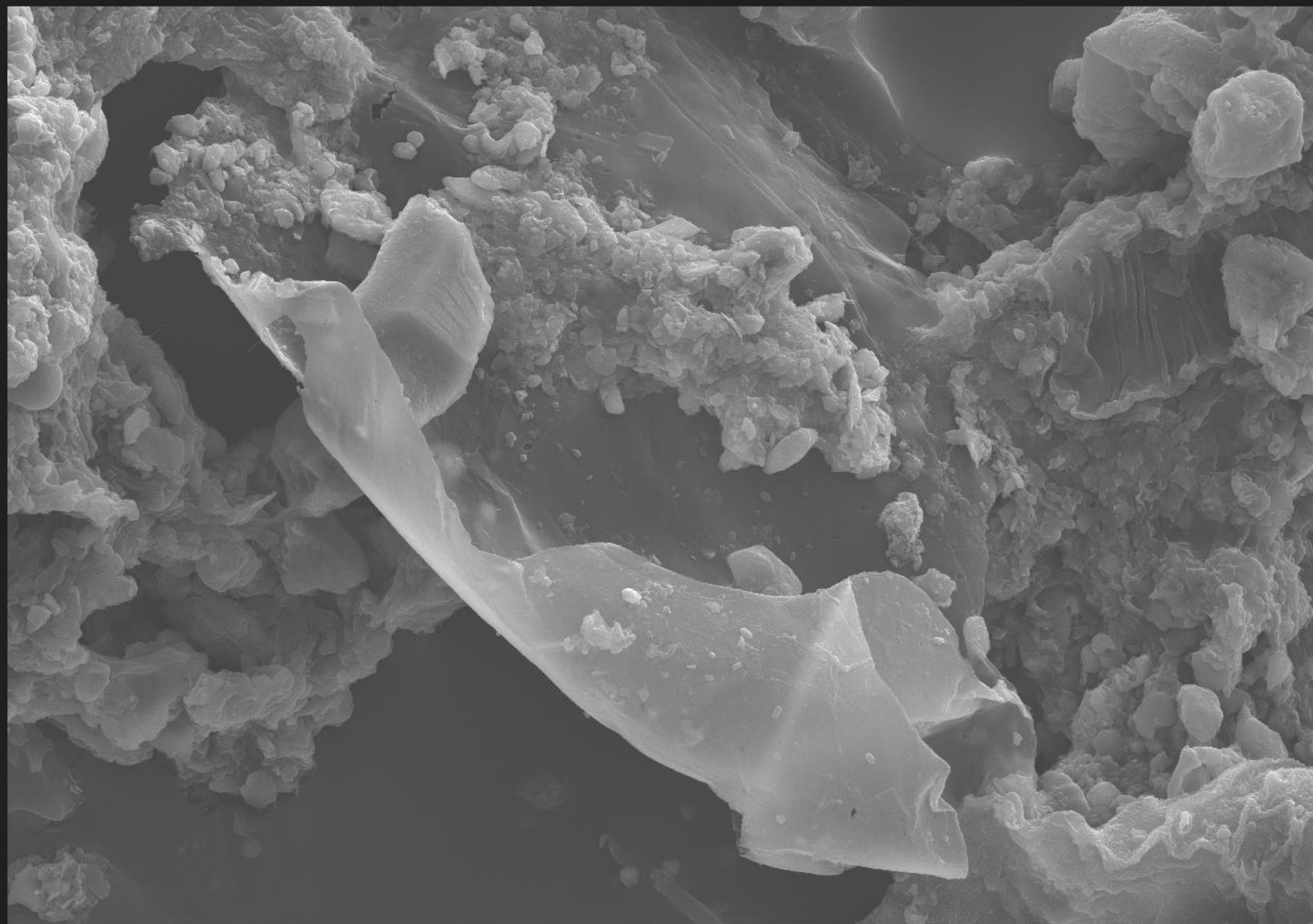


LBT 30.0kV 11.2mm x100 LM(UL)

500μm

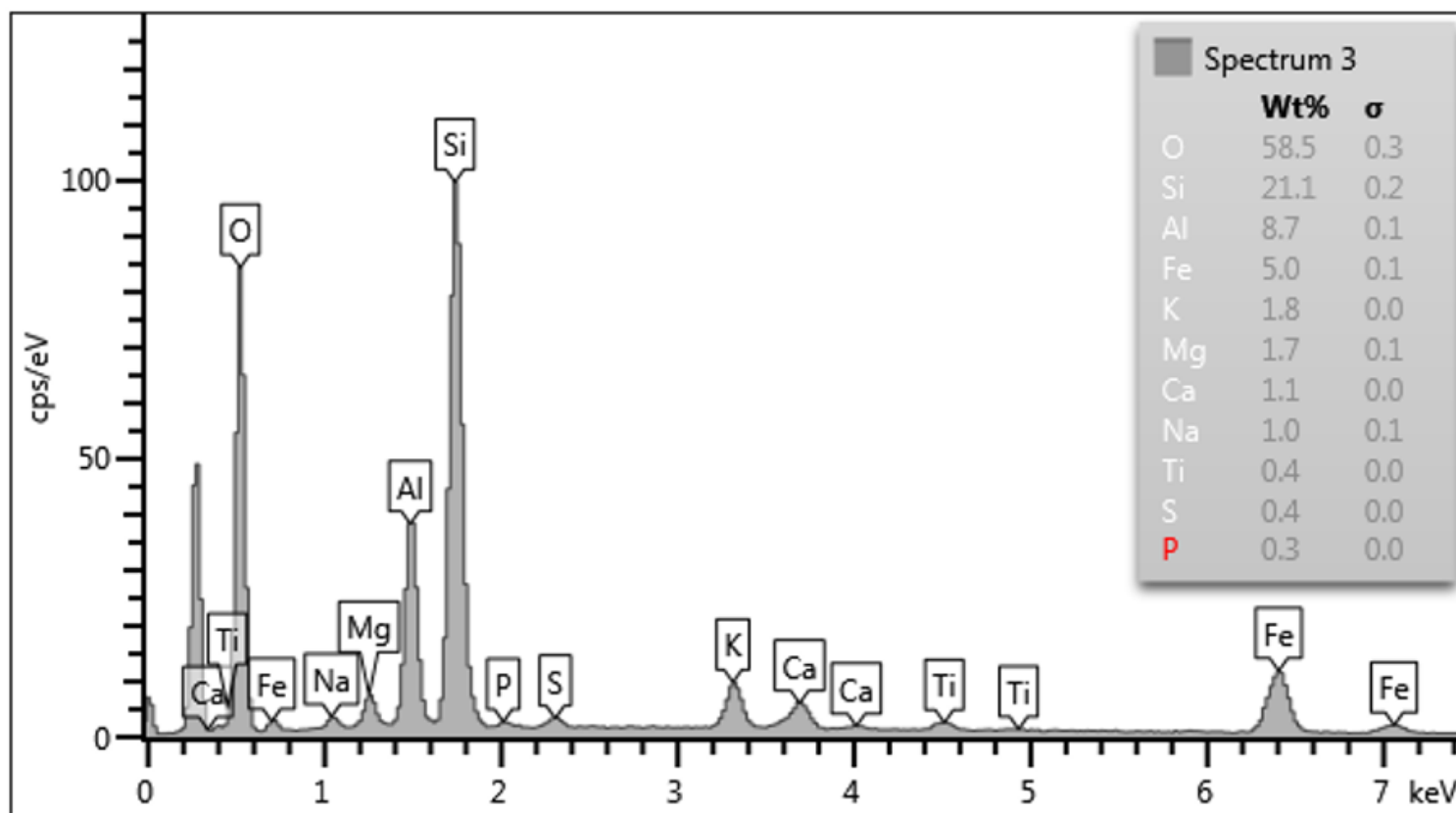
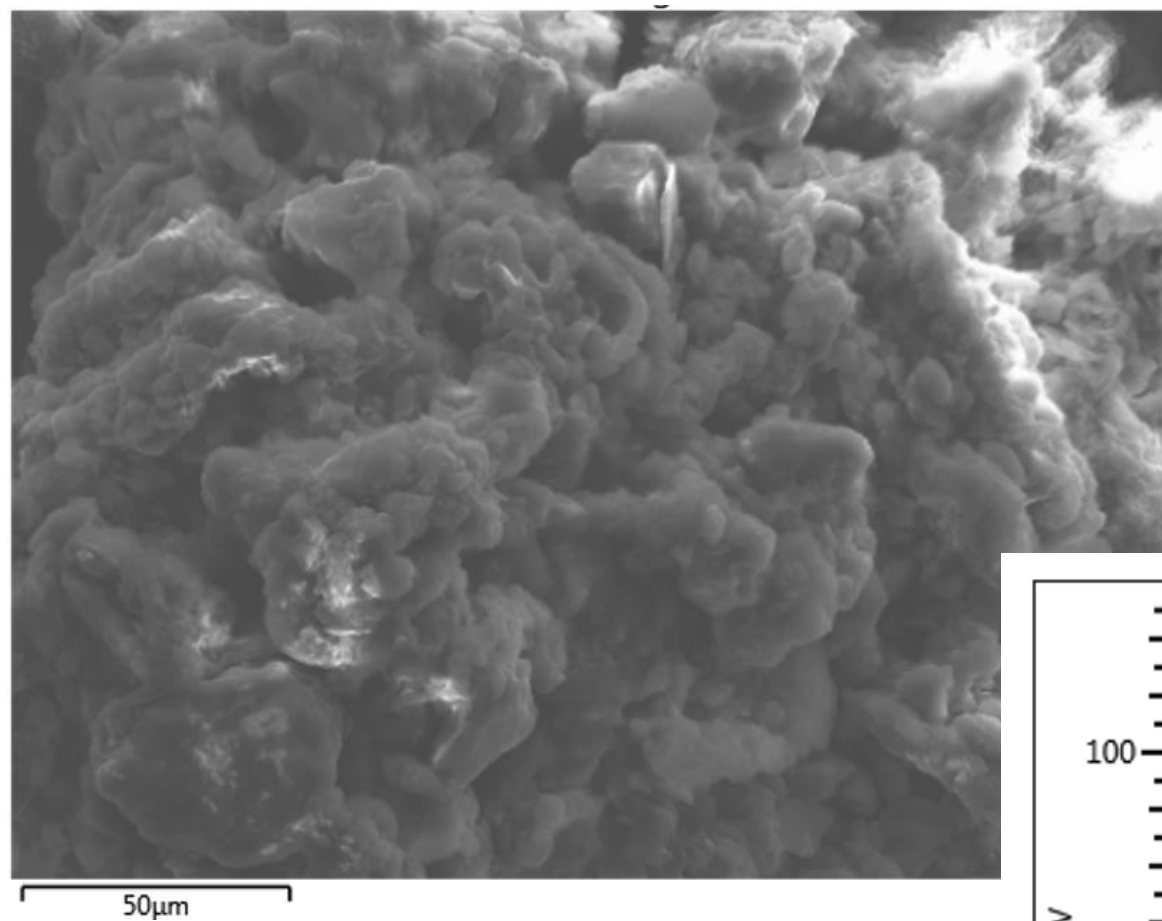
Electron image 2

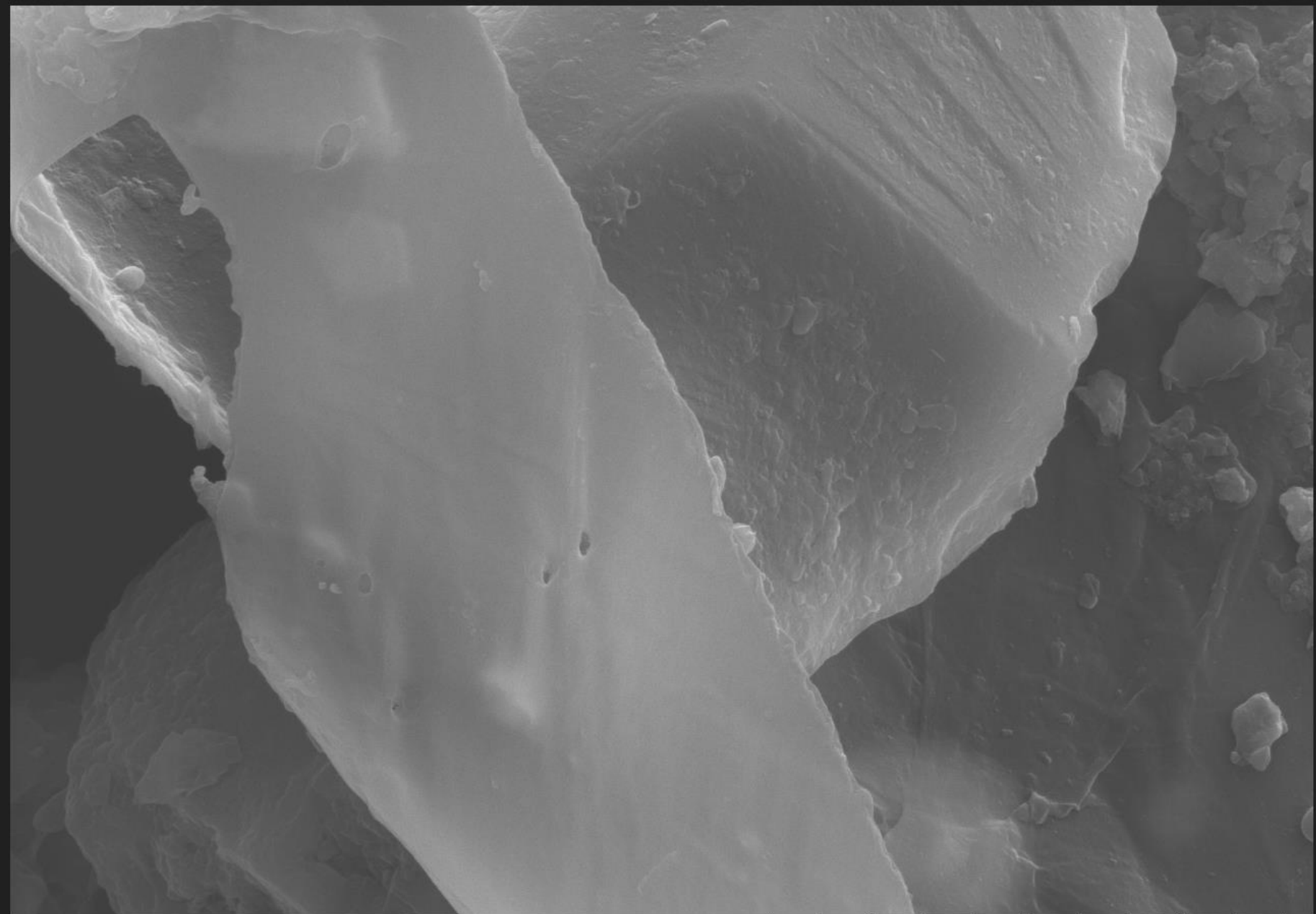




LBT 30.0kV 11.2mm x500 LM(UL)

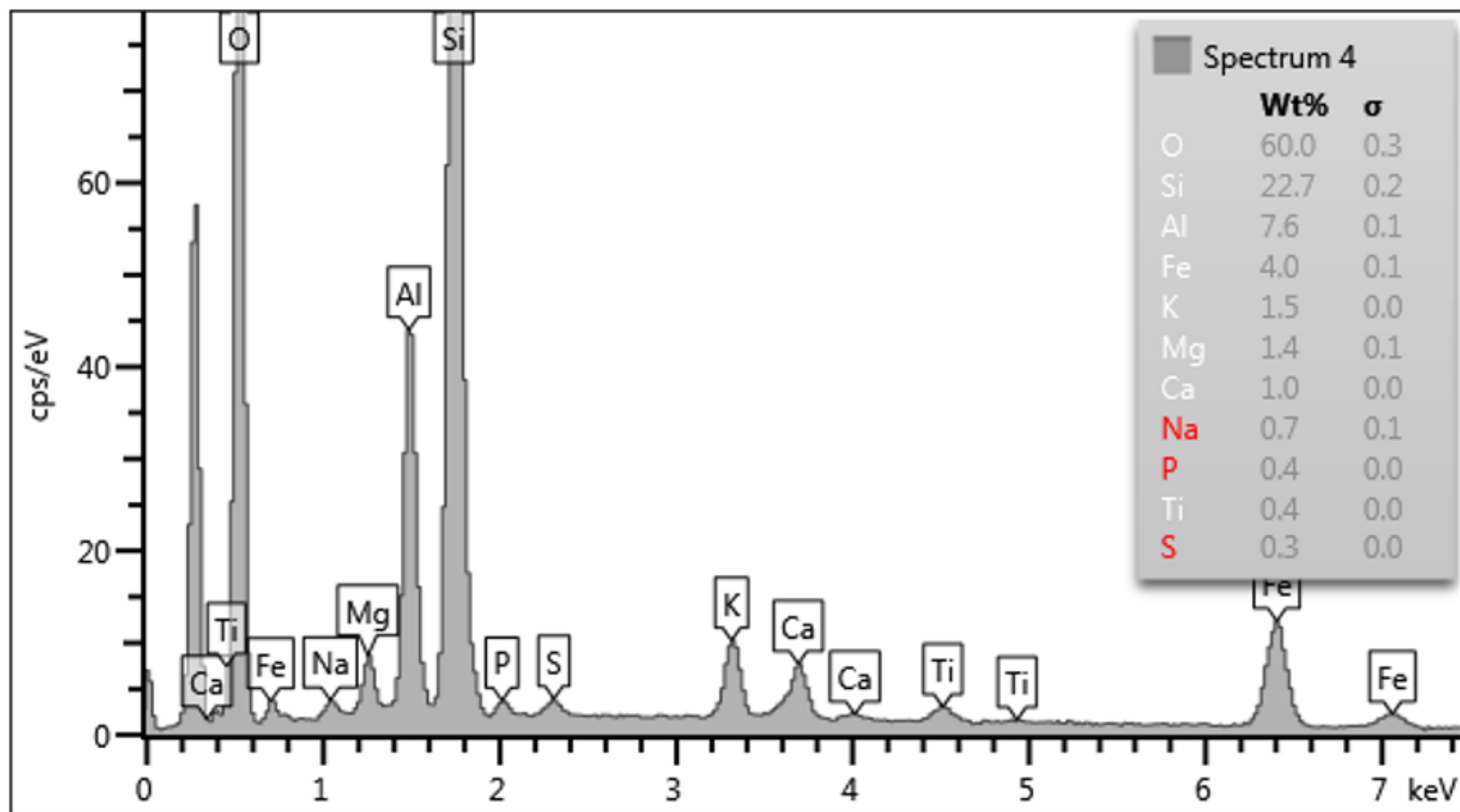
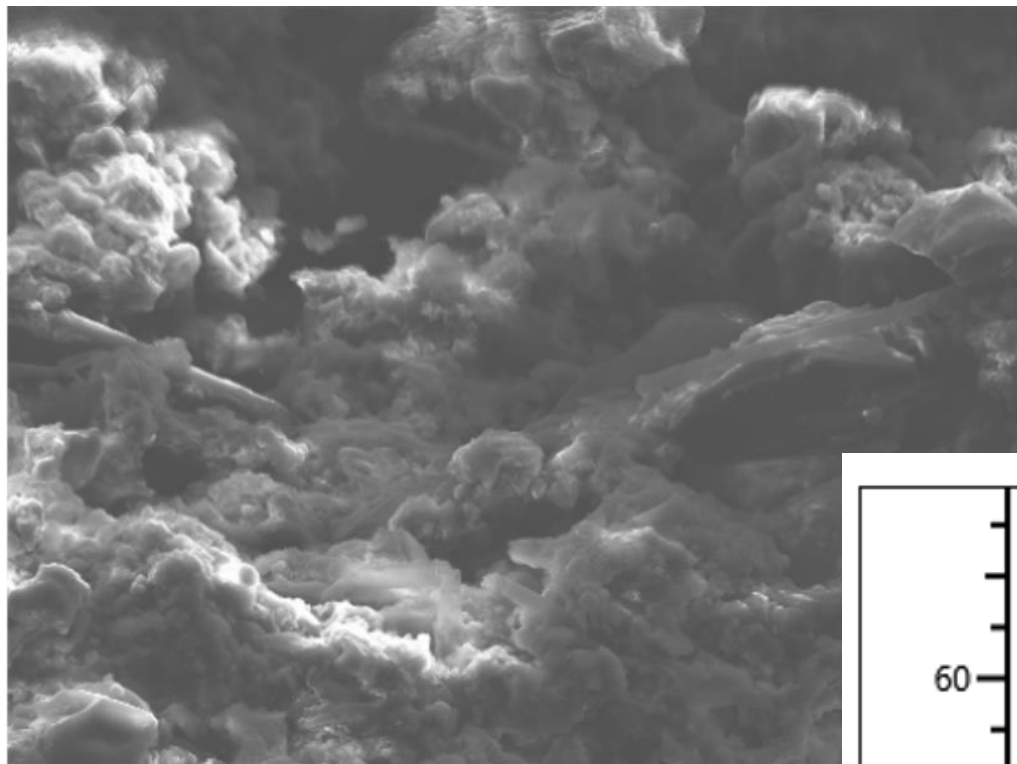
100μm

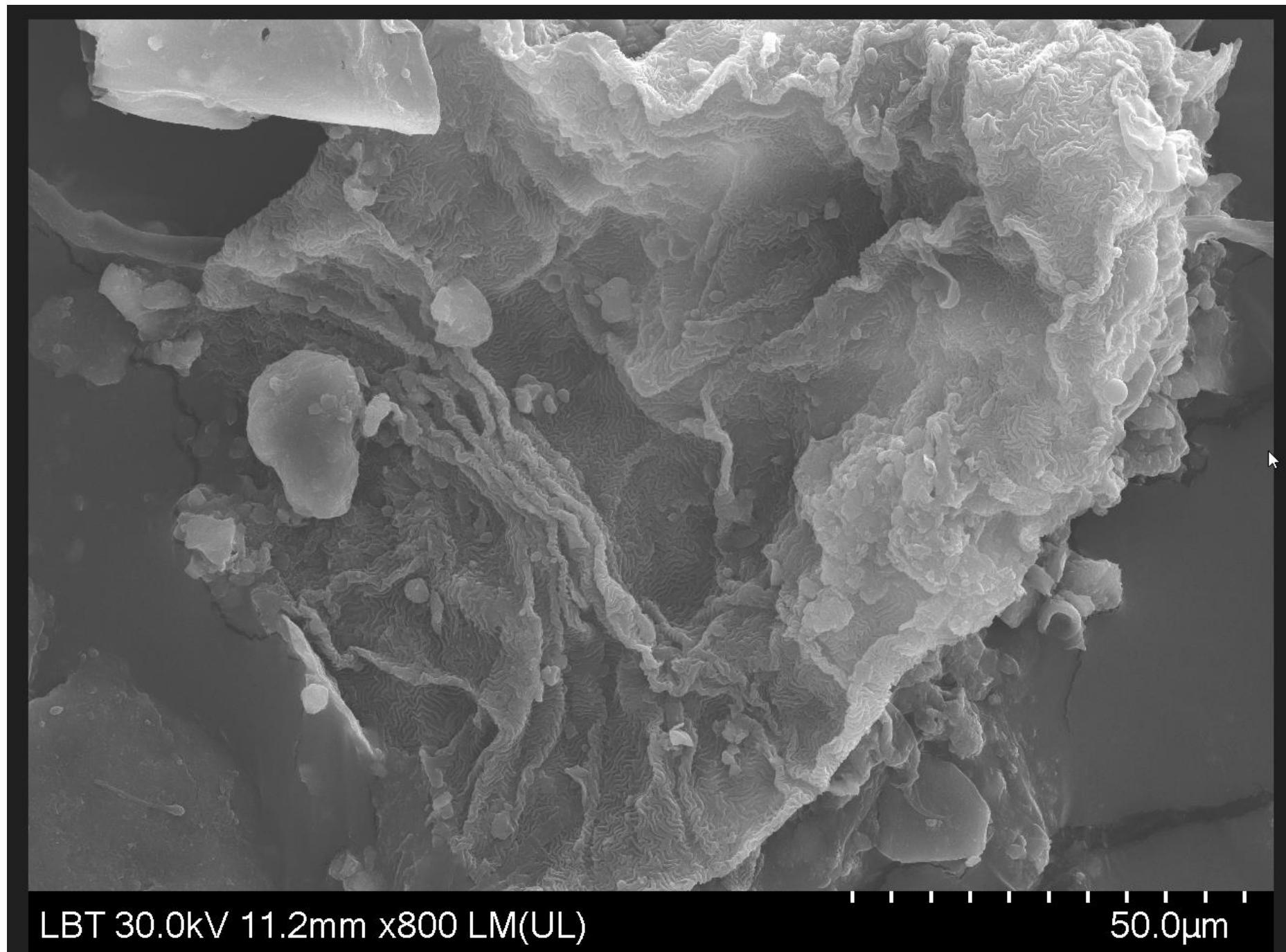




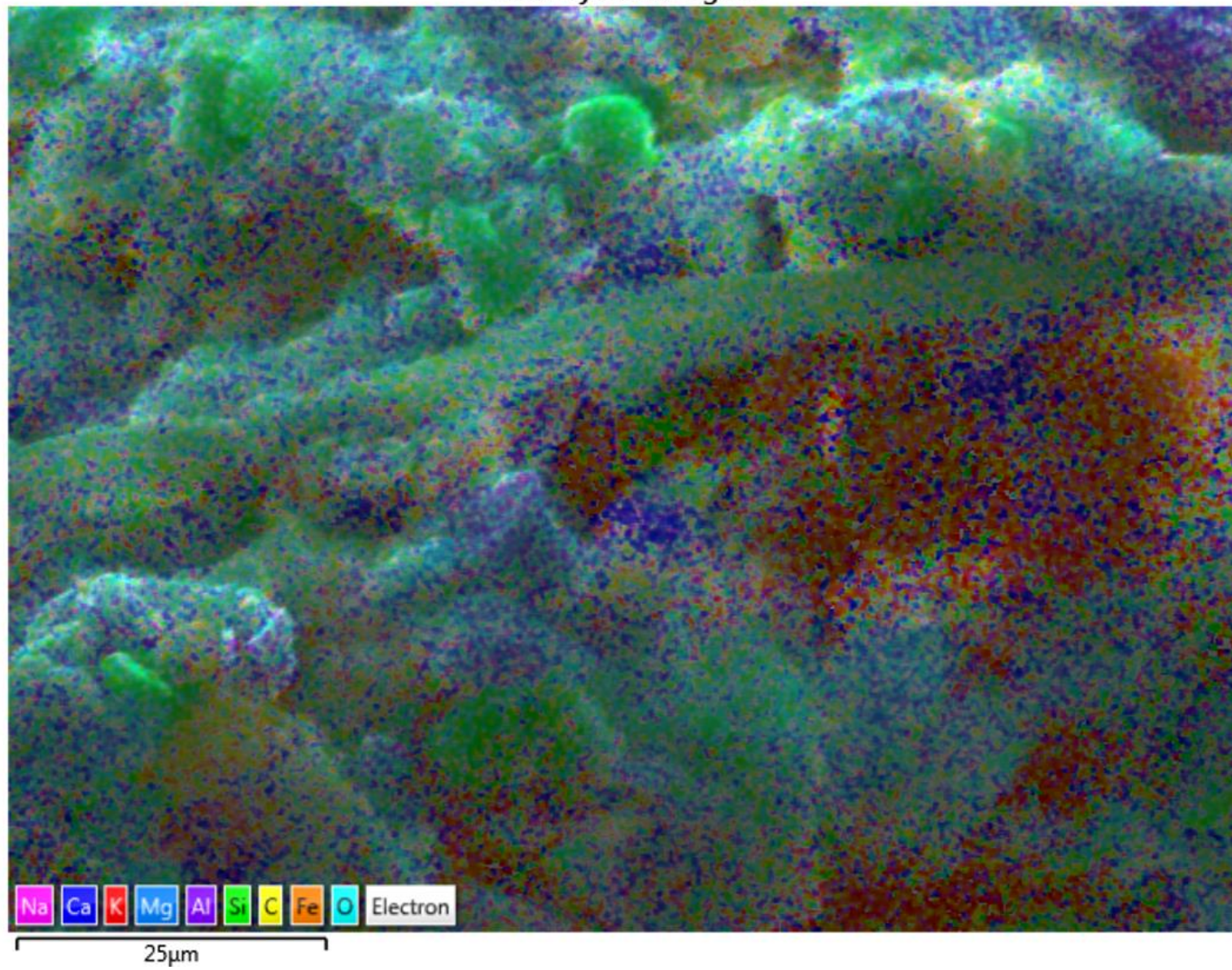
LBT 30.0kV 11.2mm x2.50k LM(UL)

20.0μm

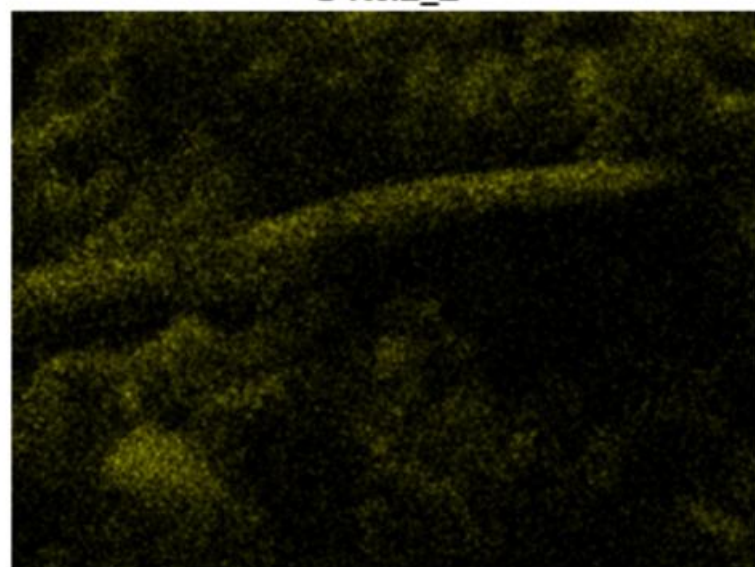




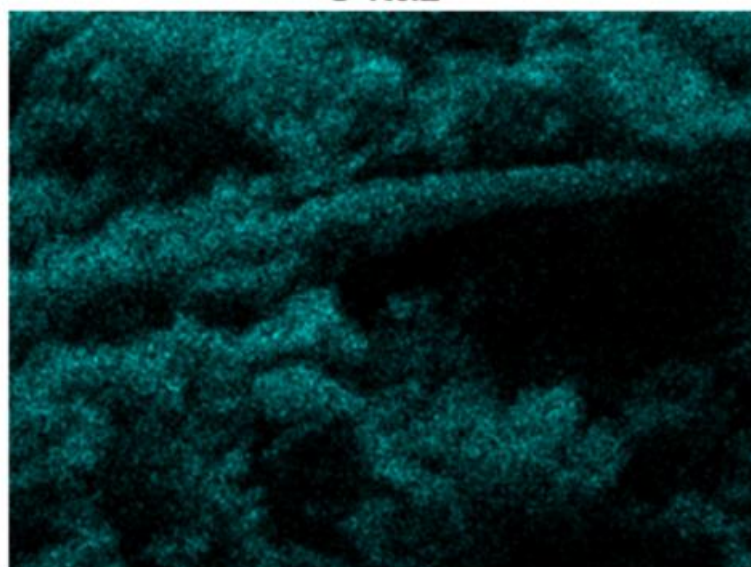
EDS Layered Image 1



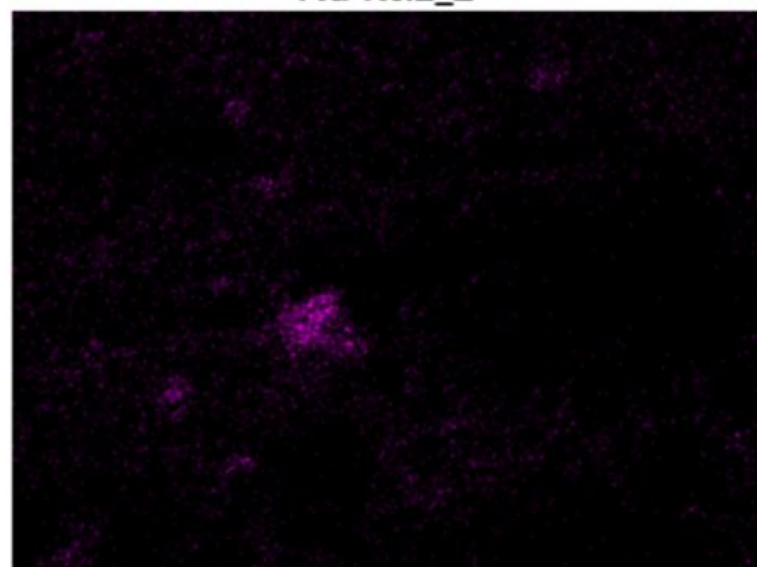
C K α 1_2



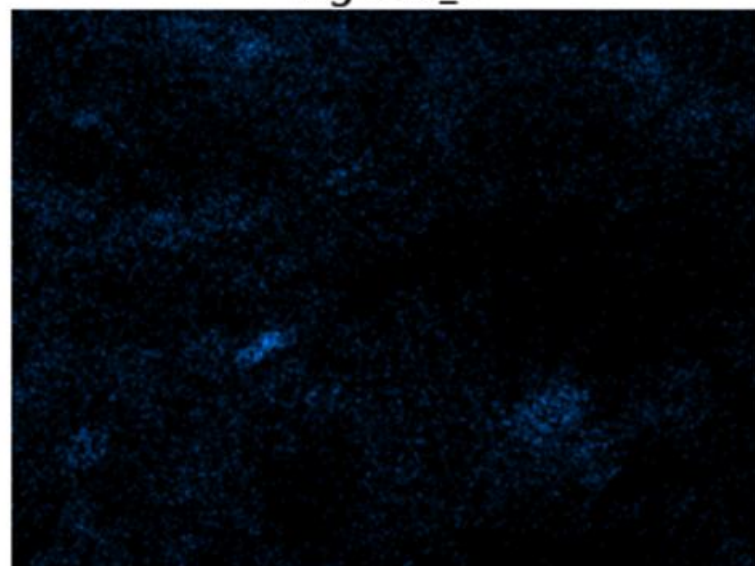
O K α 1



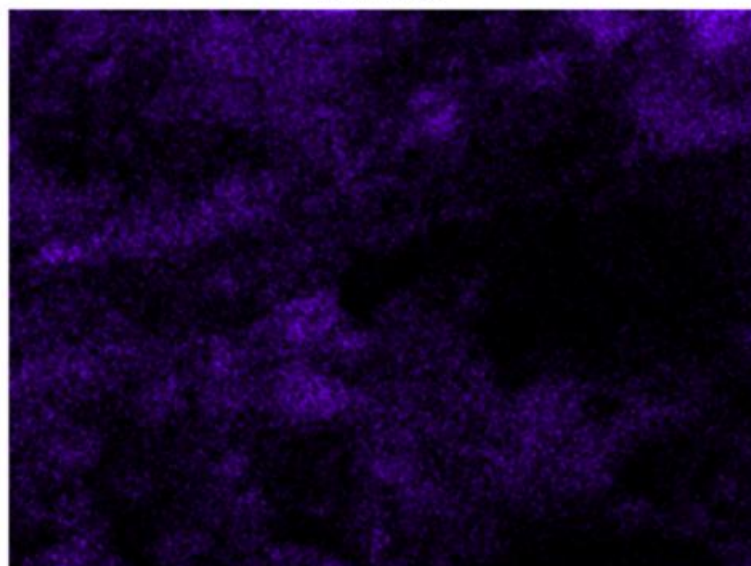
Na K α 1_2



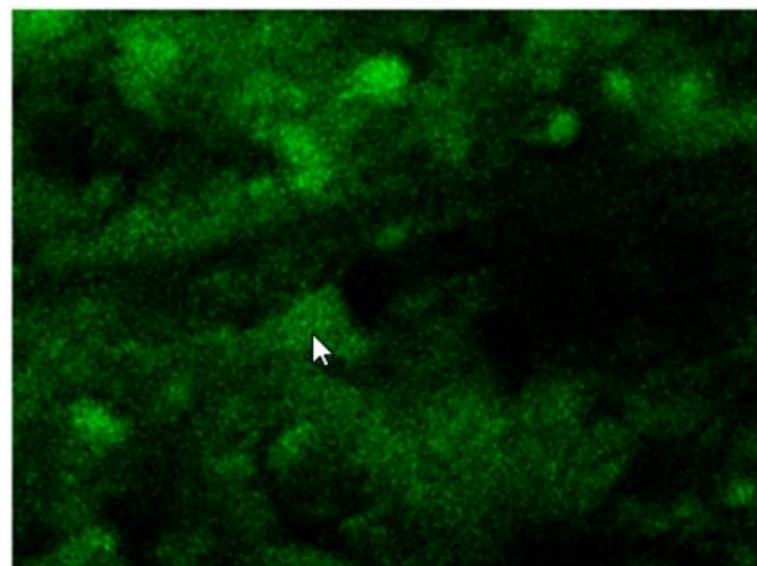
Mg K α 1_2



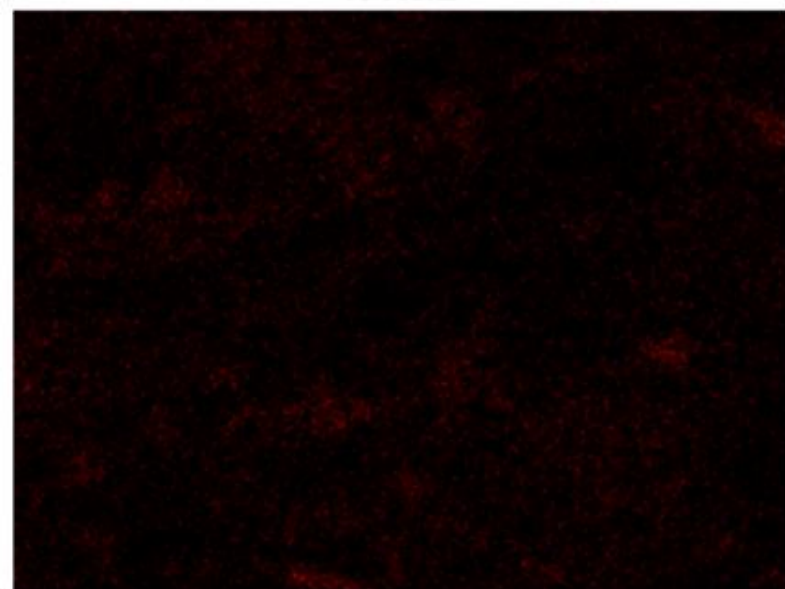
Al K α 1



Si K α 1

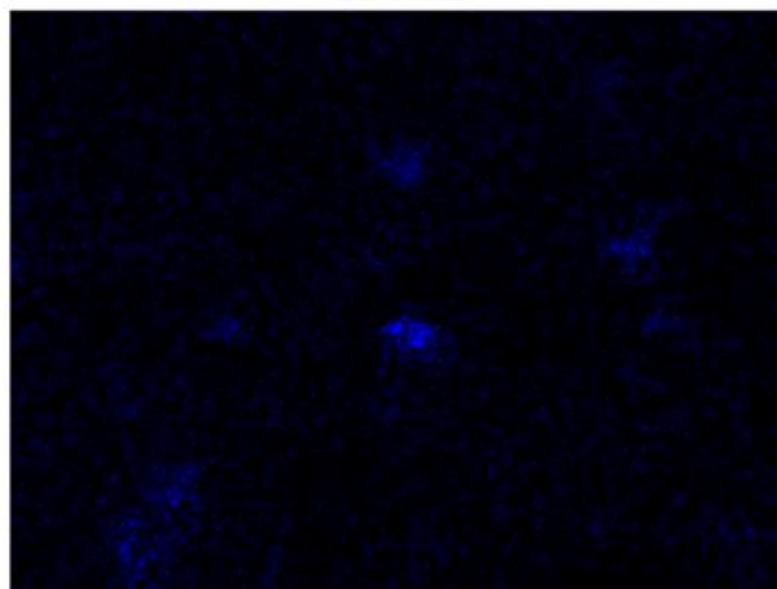


K K α 1



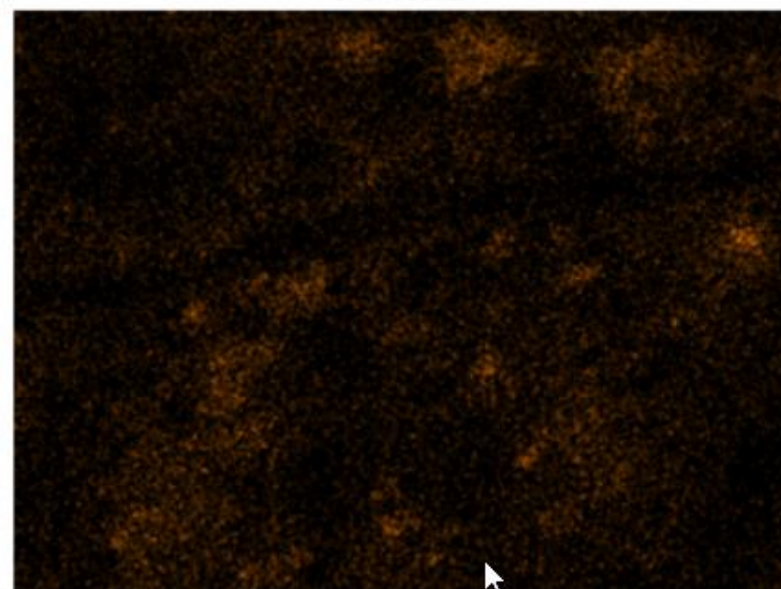
25 μ m

Ca K α 1

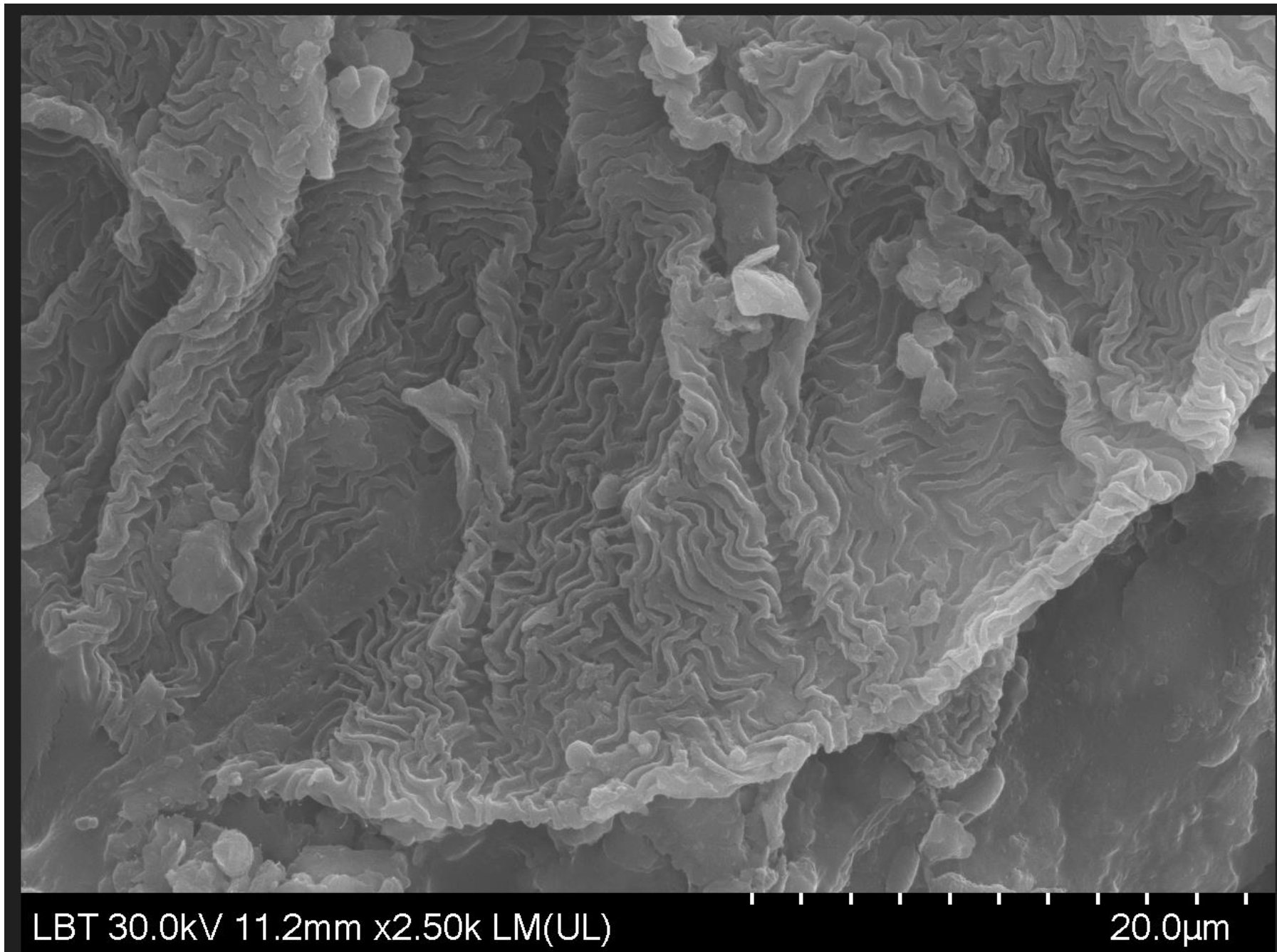


25 μ m

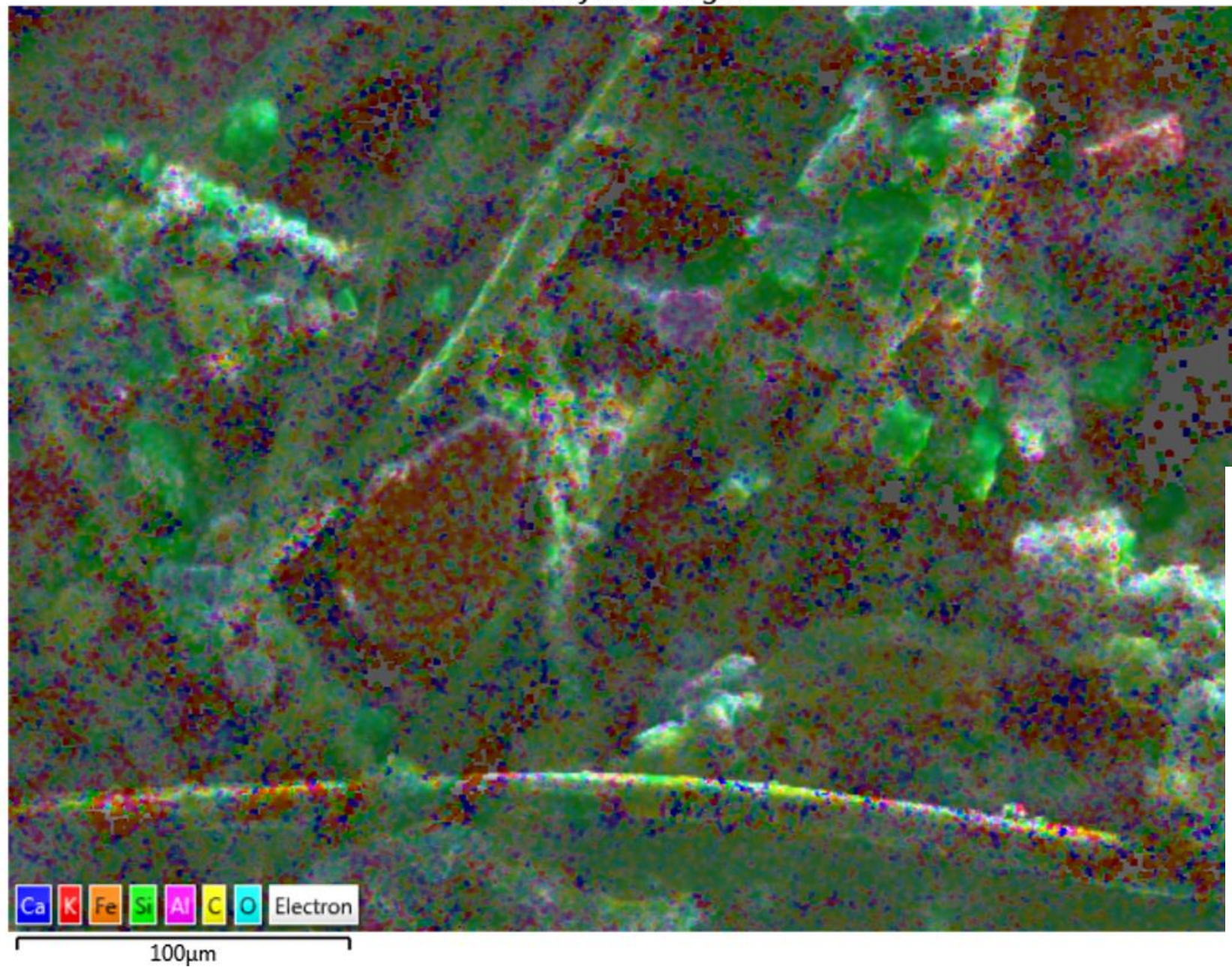
Fe K α 1



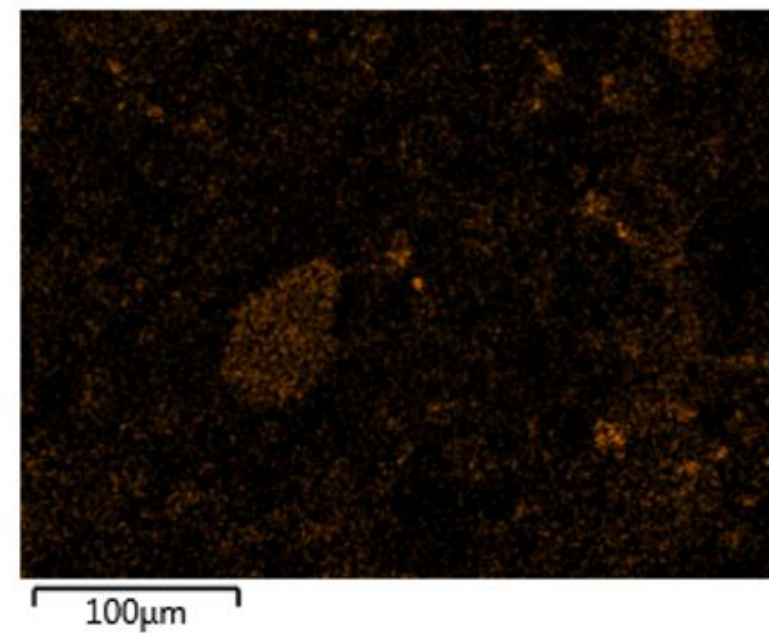
25 μ m



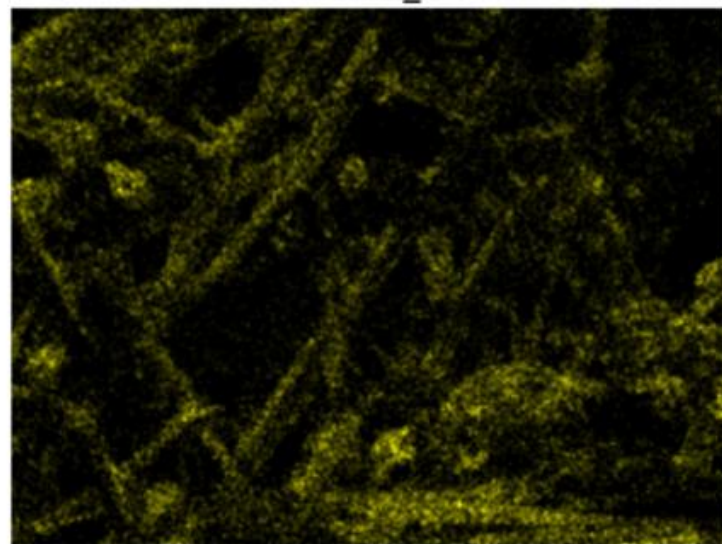
EDS Layered Image 2



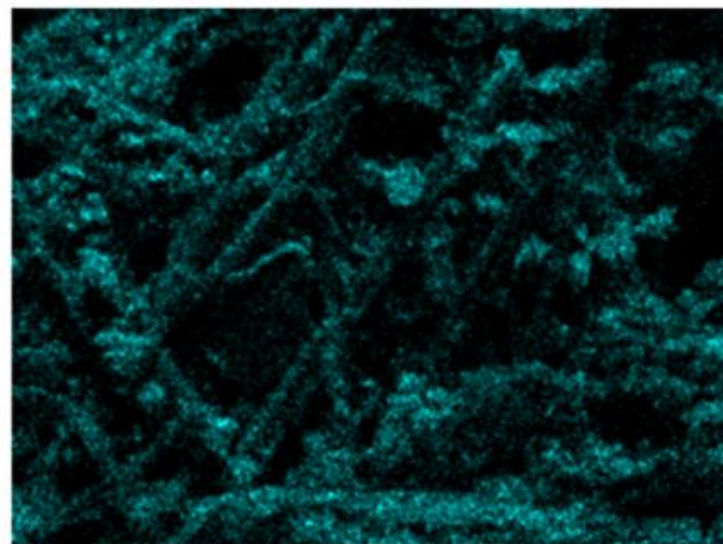
Fe K α 1



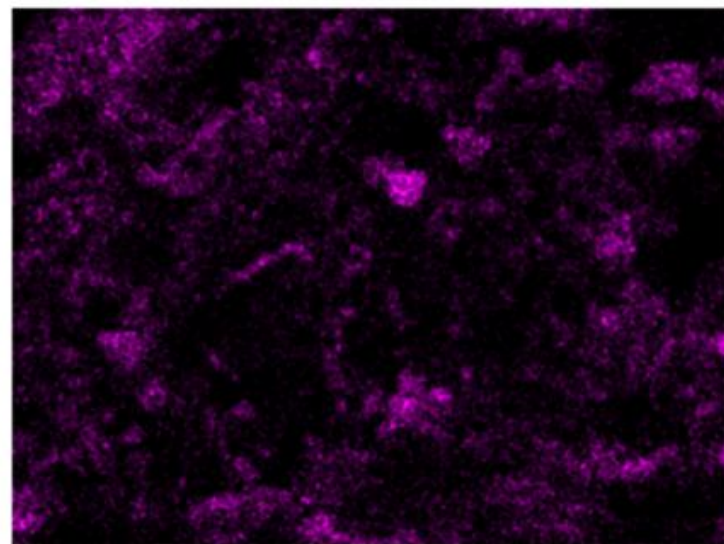
C K α 1_2



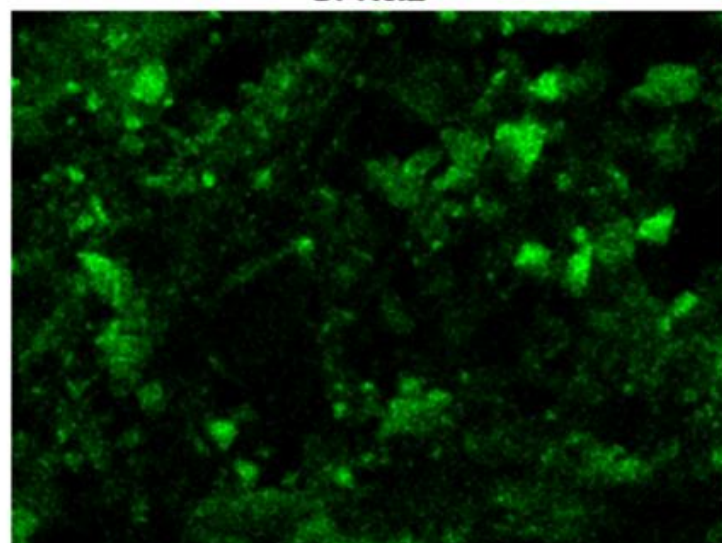
O K α 1



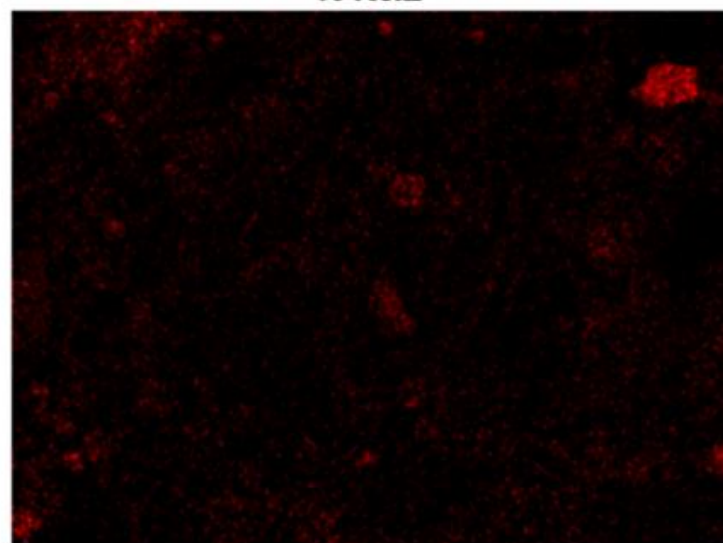
Al K α 1



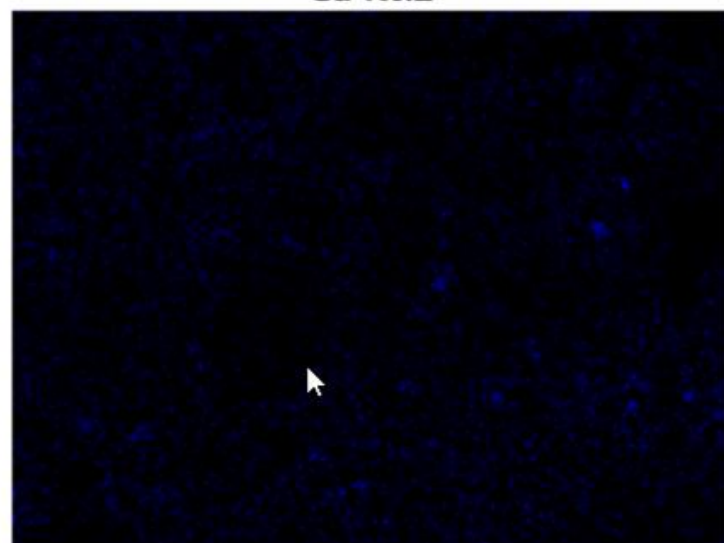
Si K α 1

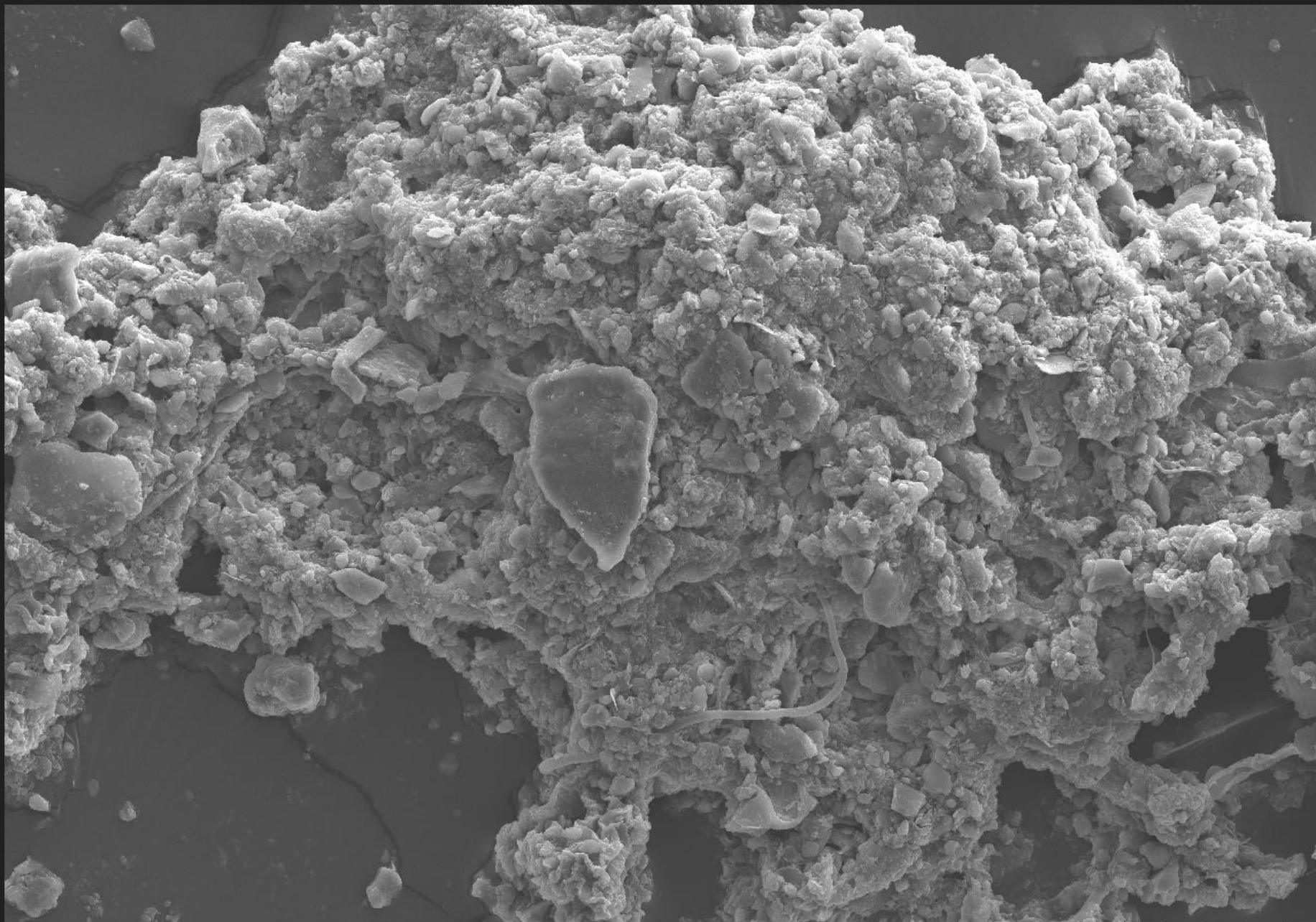


K K α 1



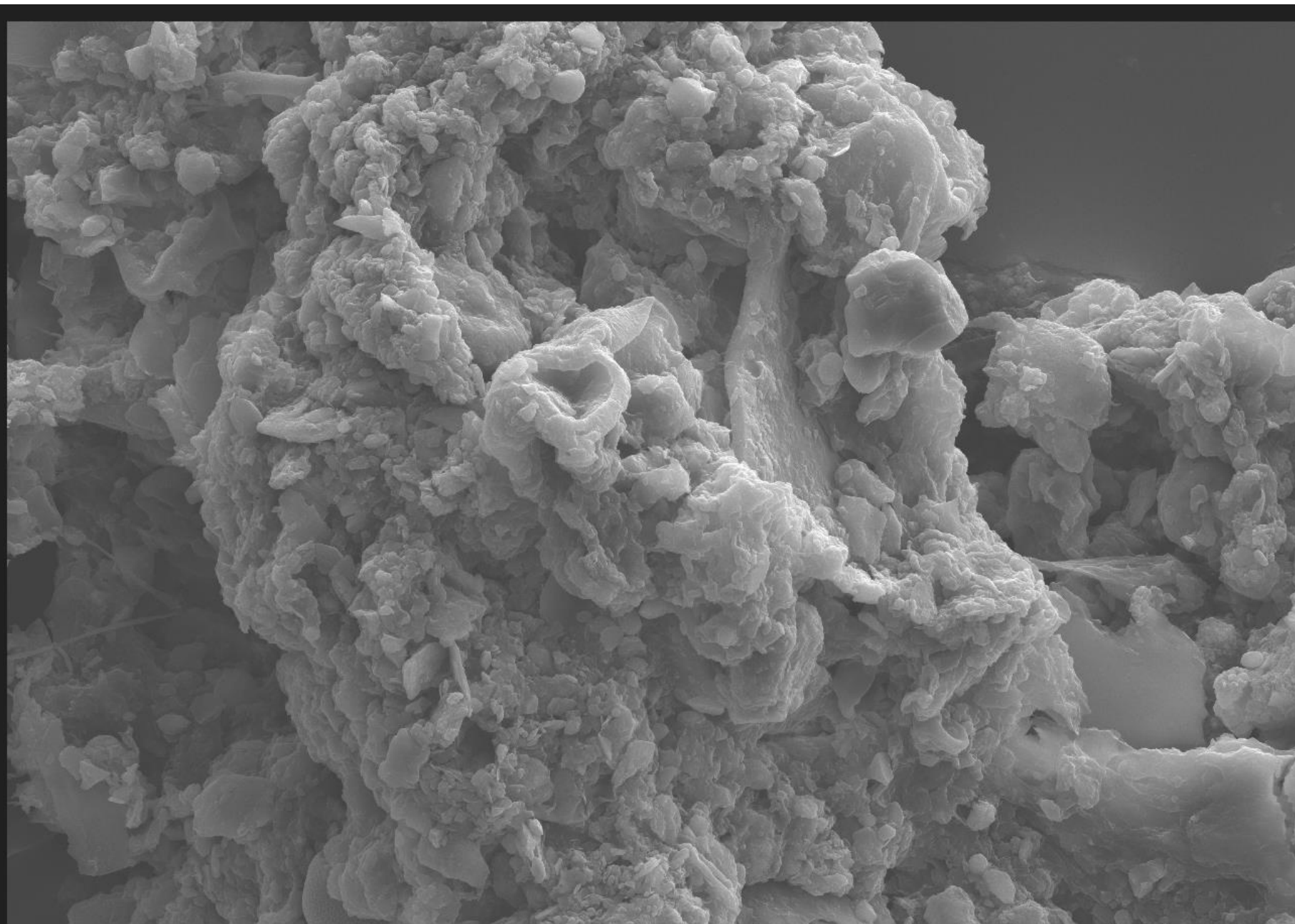
Ca K α 1





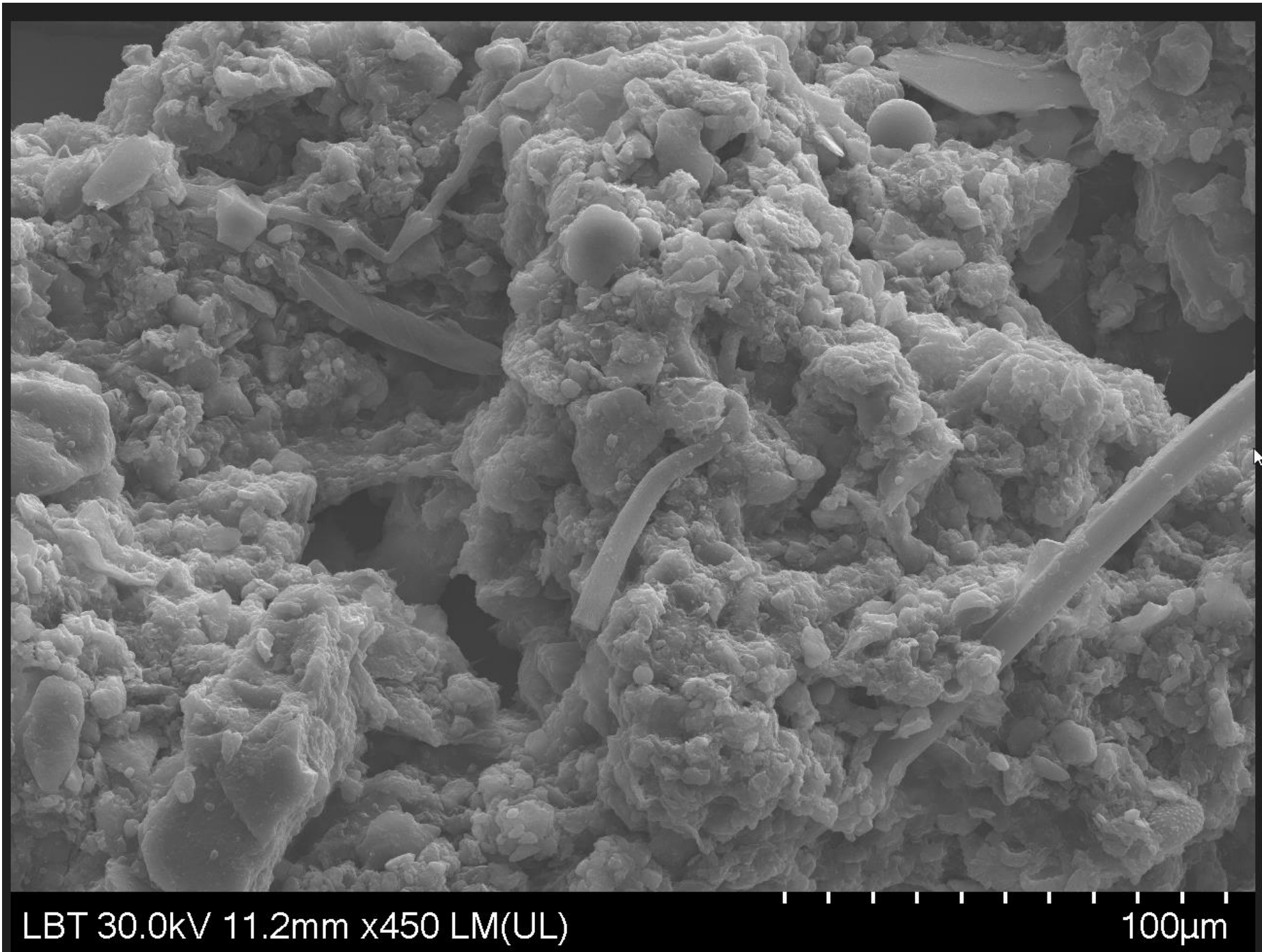
LBT 30.0kV 11.2mm x200 LM(UL)

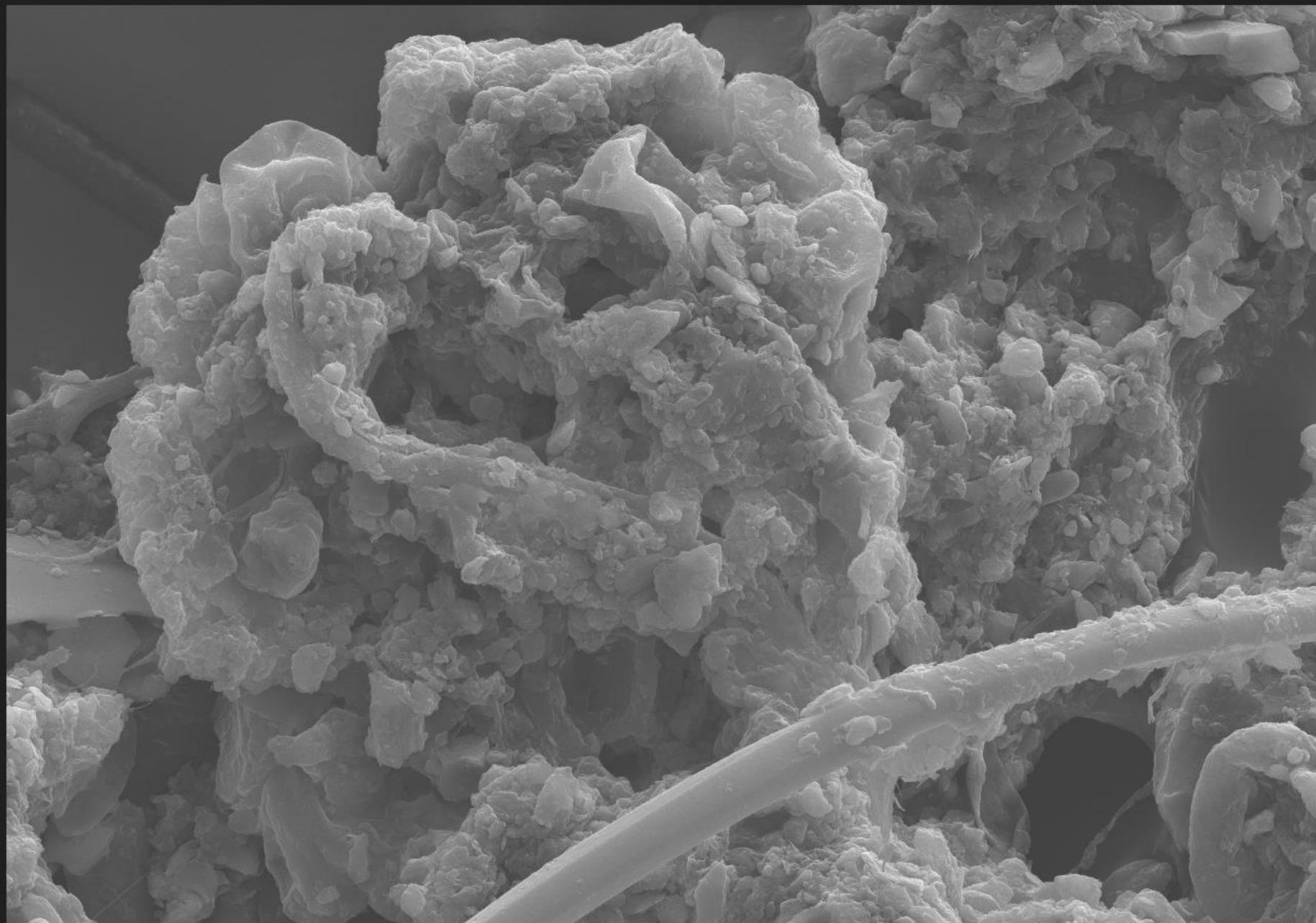
200μm



LBT 30.0kV 11.2mm x500 LM(UL)

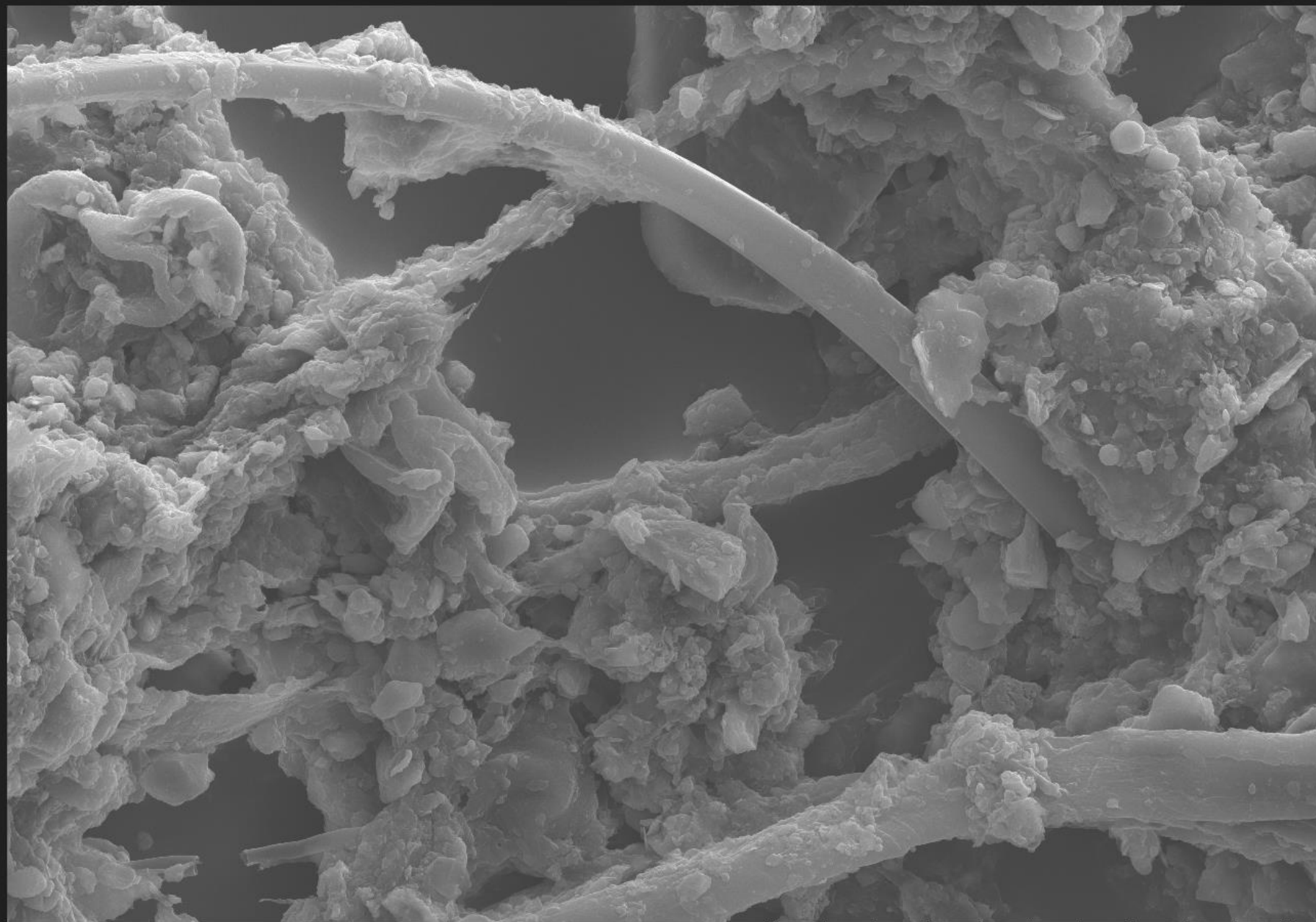
100μm





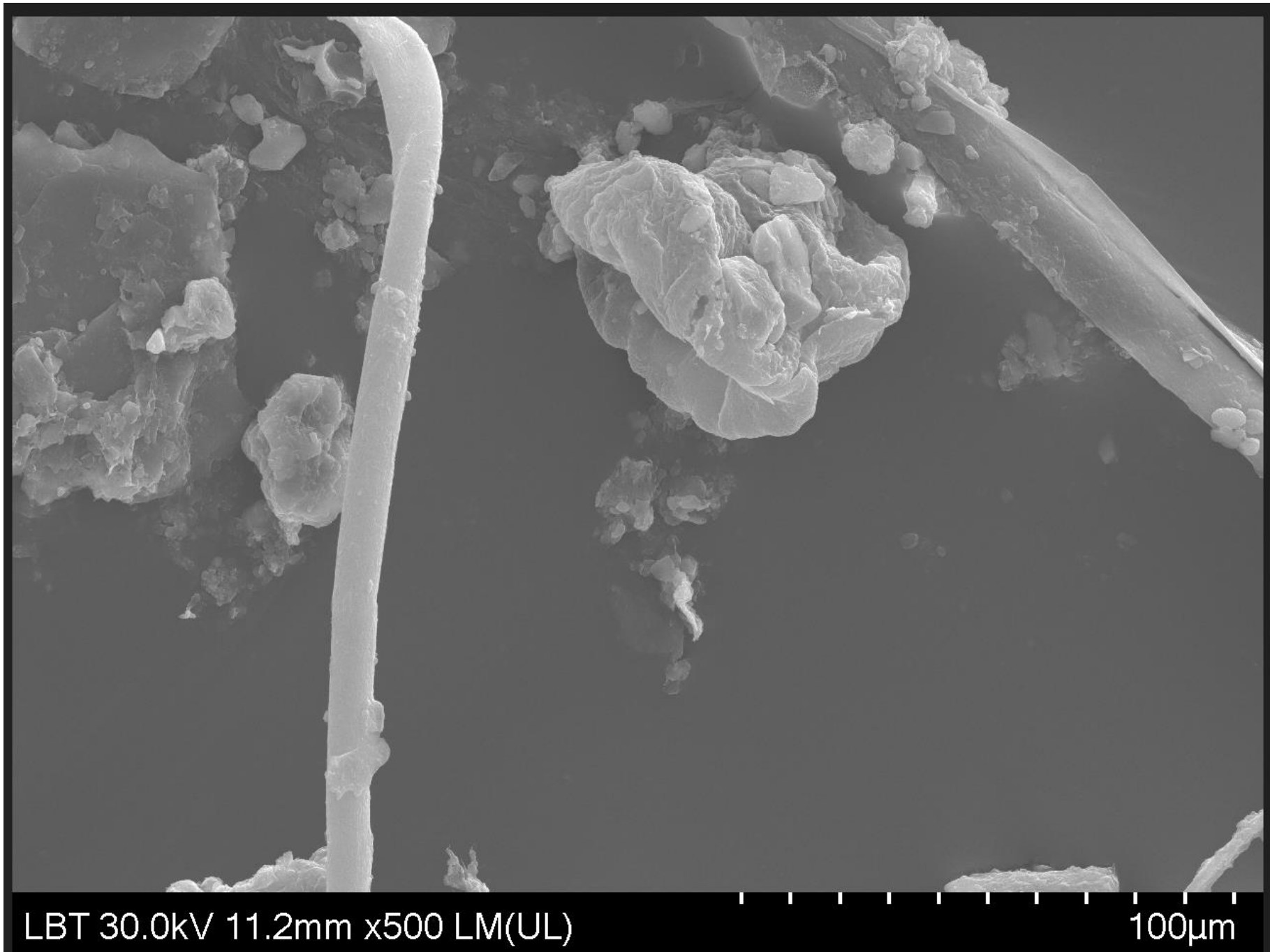
LBT 30.0kV 11.2mm x600 LM(UL)

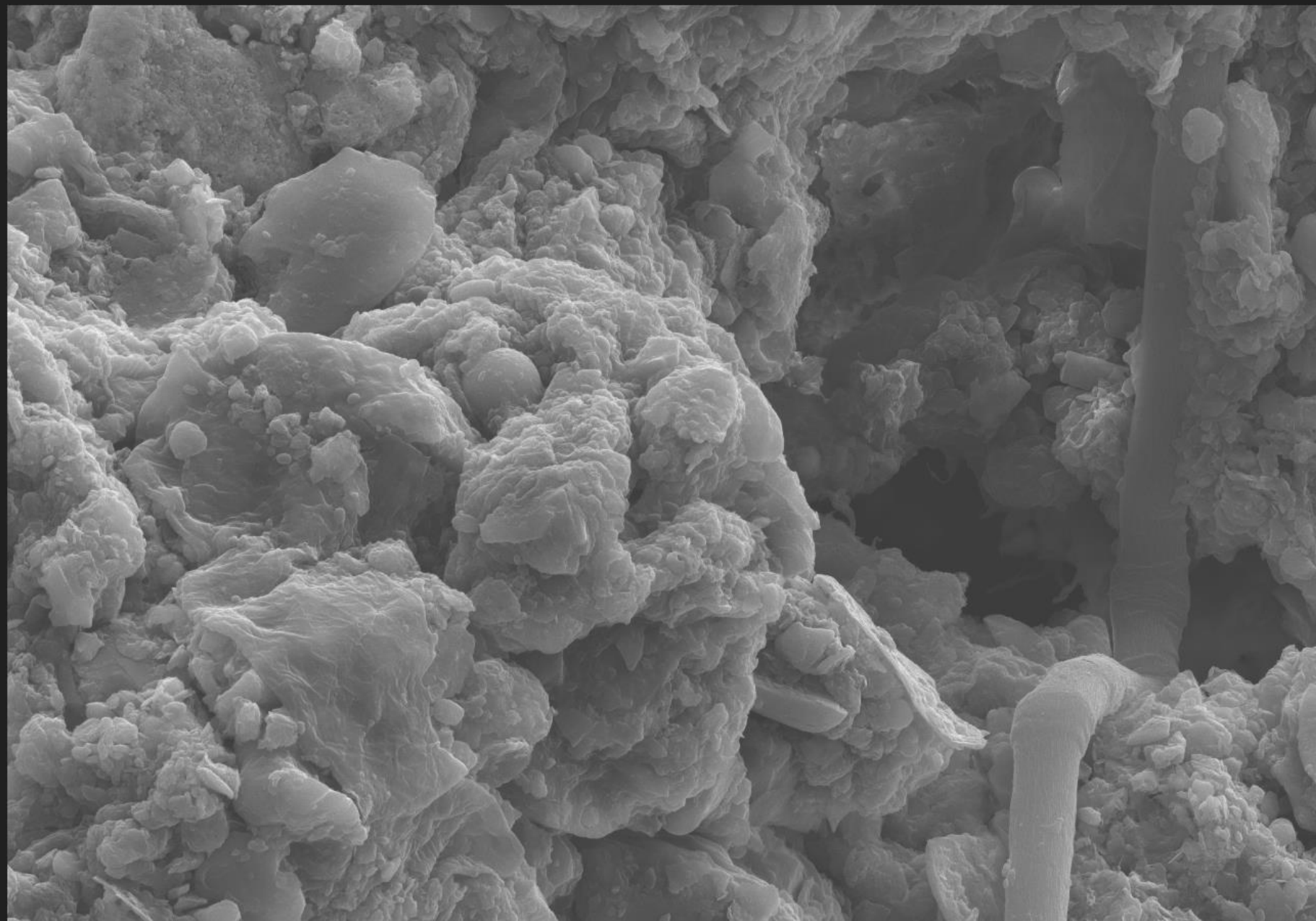
50.0μm



LBT 30.0kV 11.2mm x500 LM(UL)

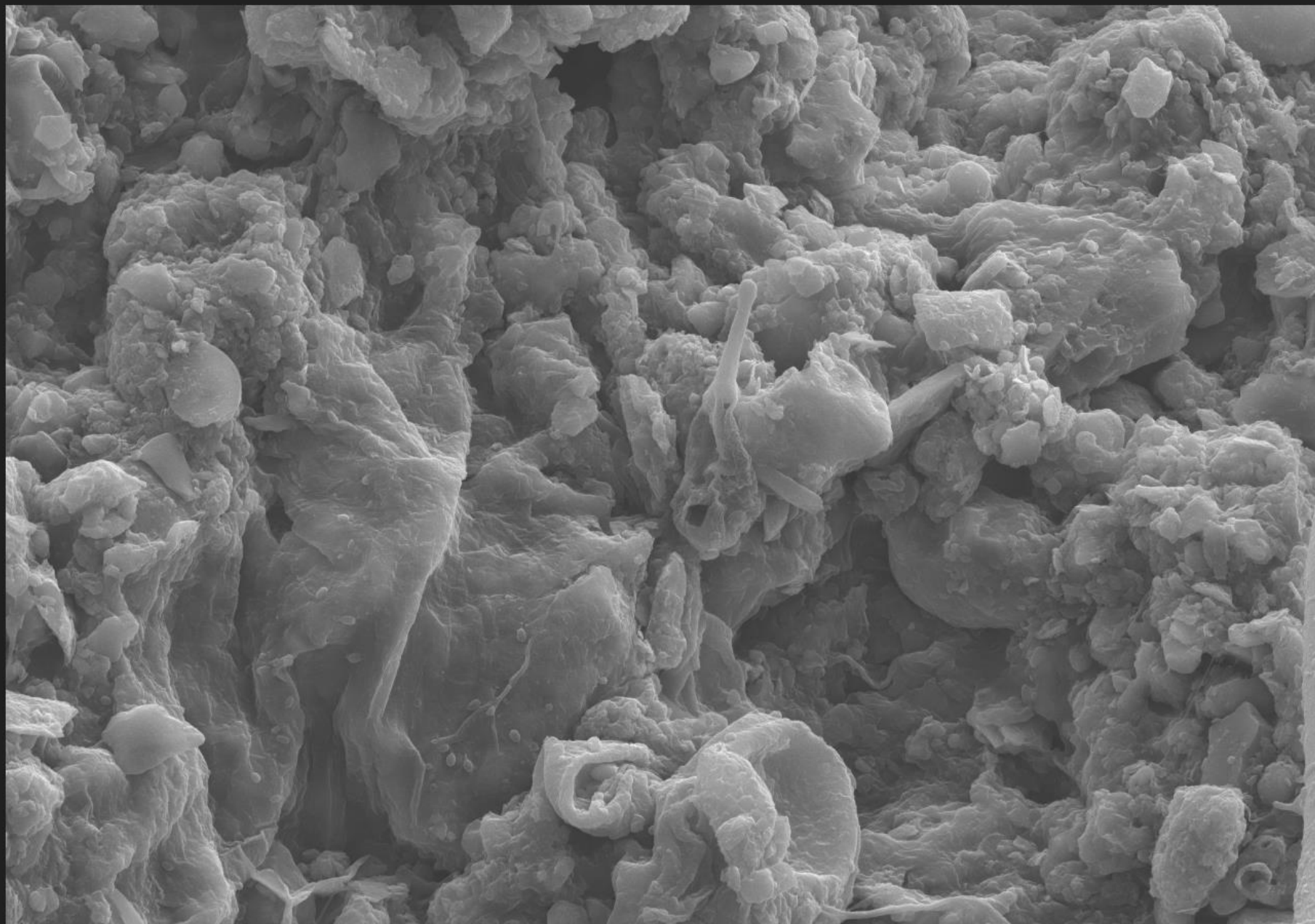
100μm





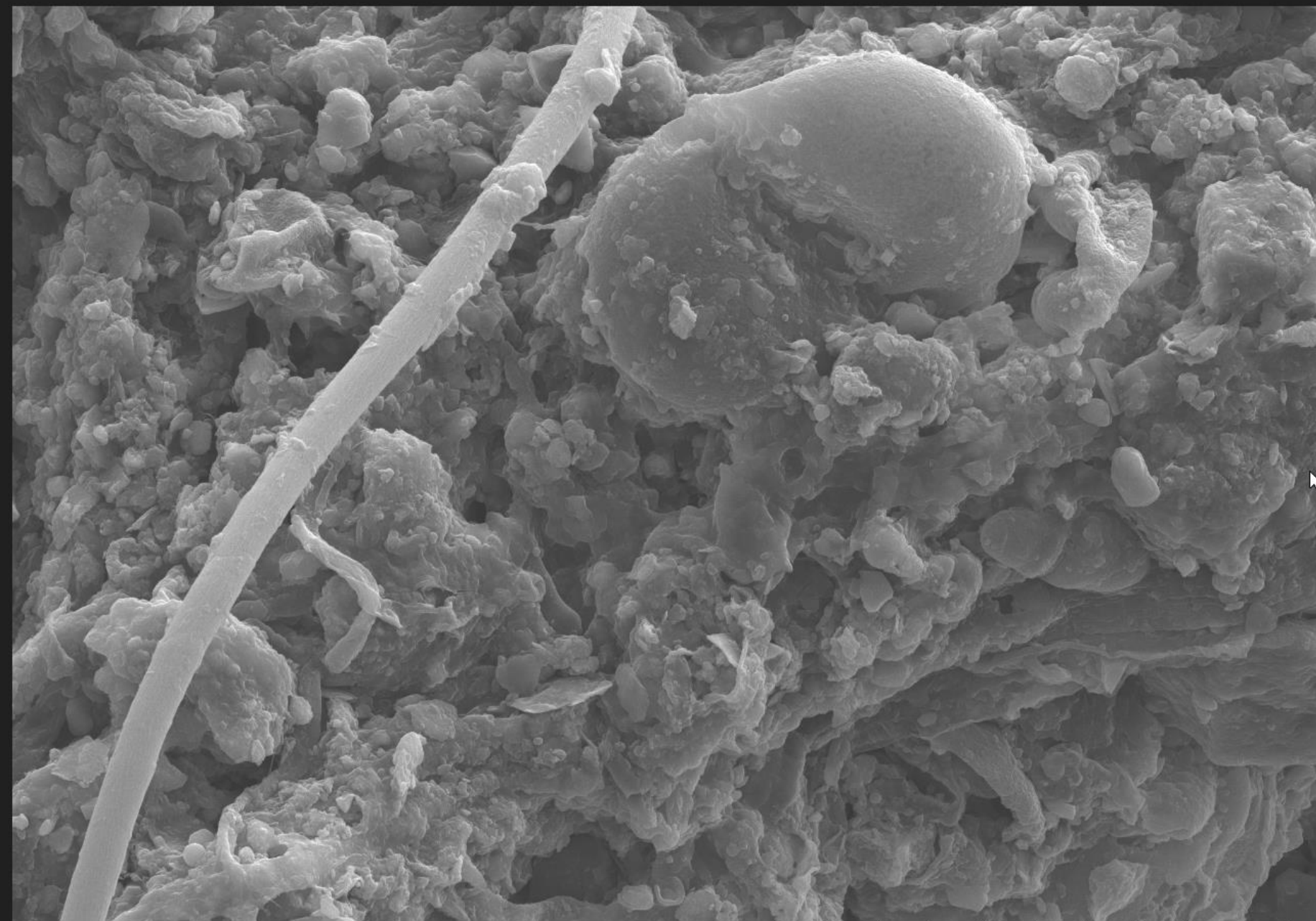
LBT 30.0kV 11.2mm x700 LM(UL)

50.0μm



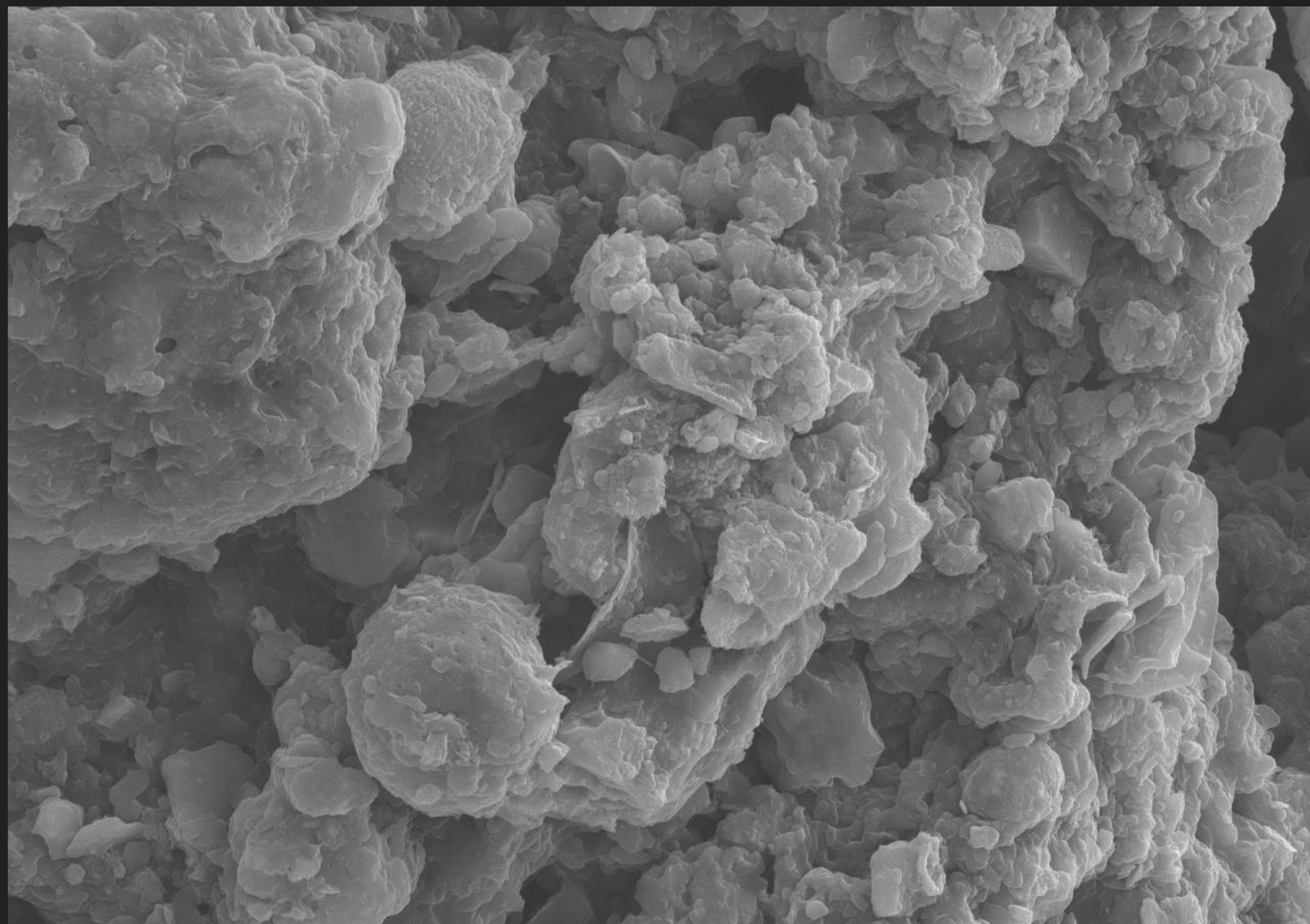
LBT 30.0kV 11.2mm x600 LM(UL)

50.0μm



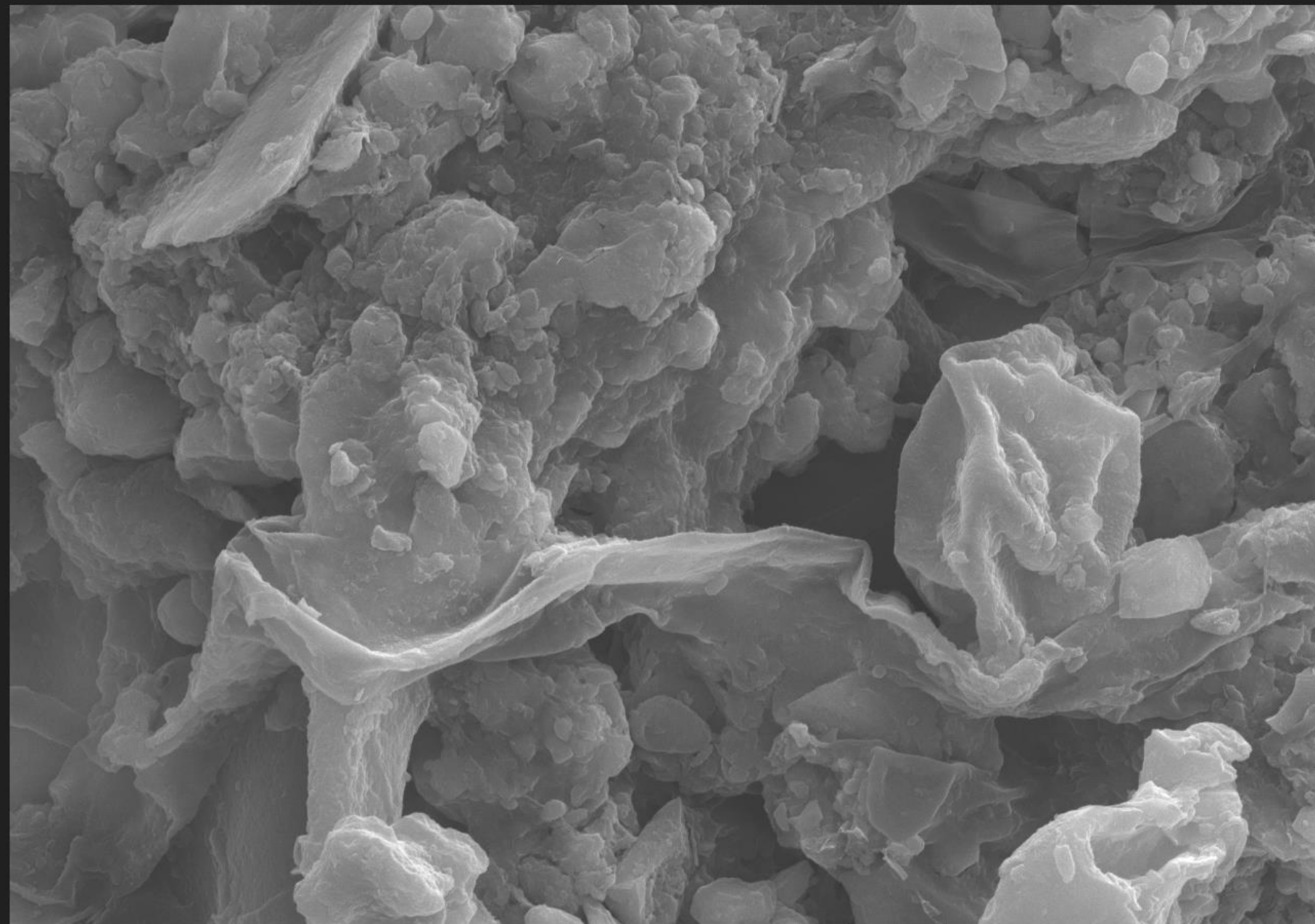
LBT 30.0kV 11.2mm x500 LM(UL)

100μm



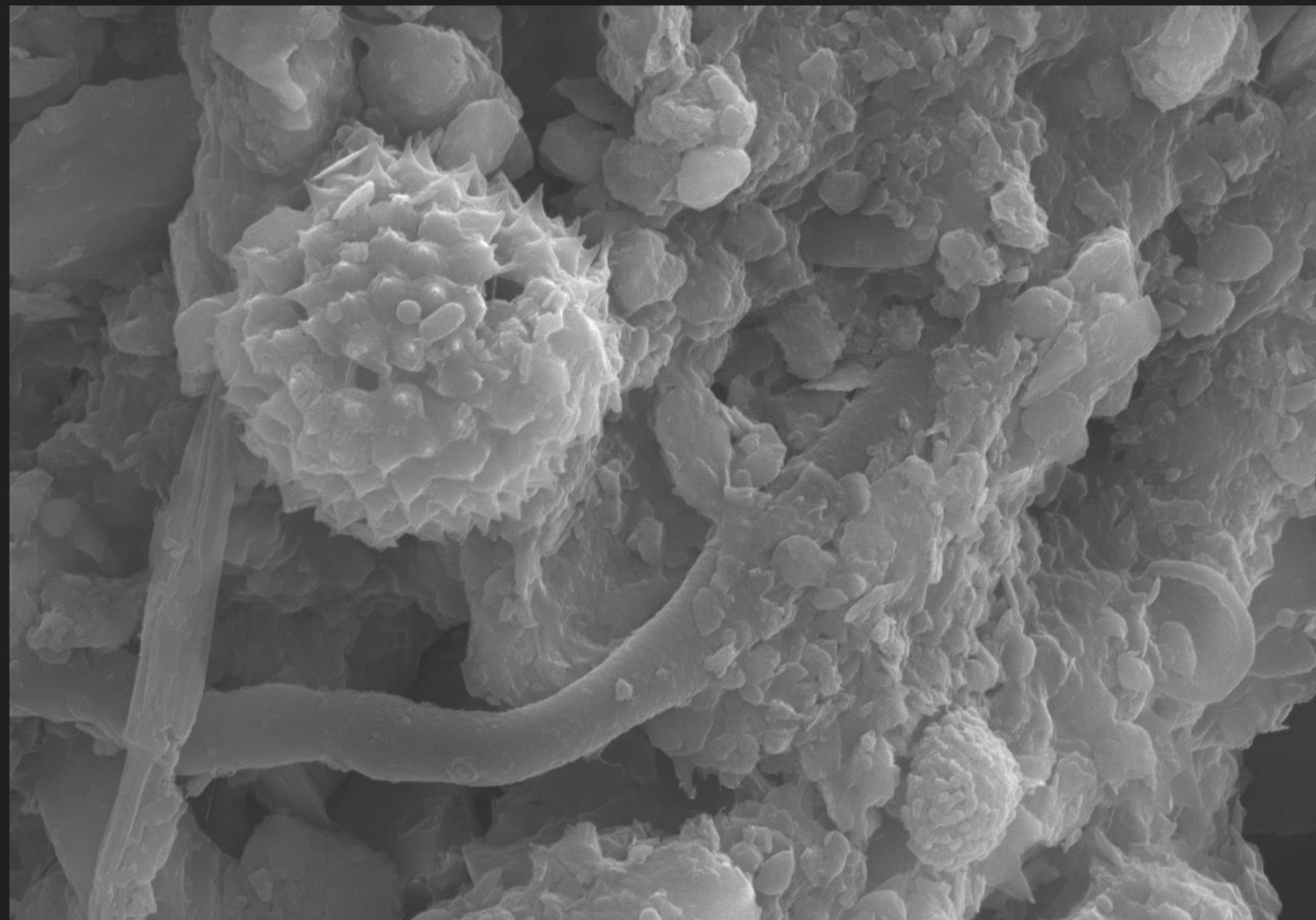
LBT 30.0kV 11.2mm x800 LM(UL)

50.0μm



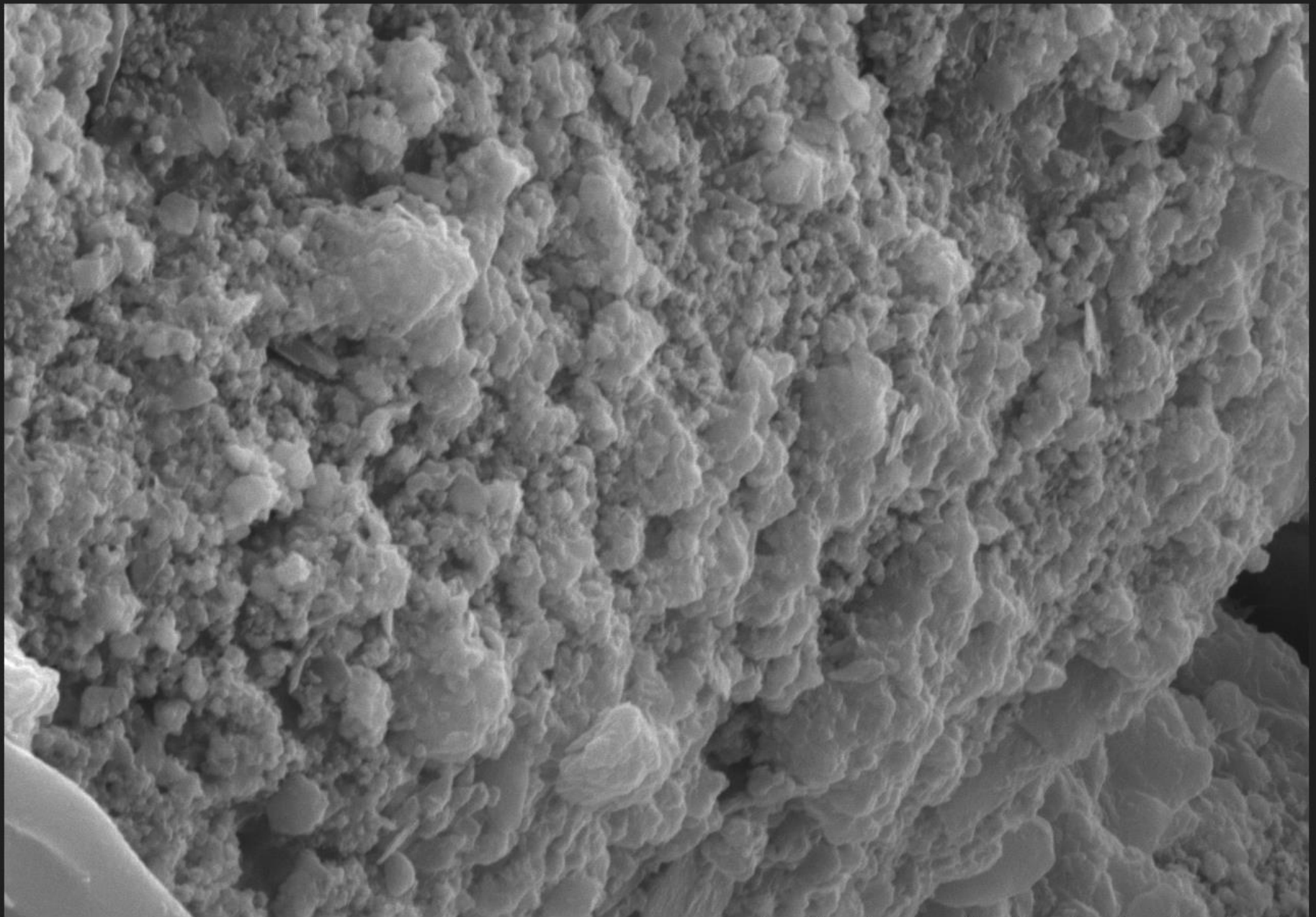
LBT 30.0kV 11.2mm x1.20k LM(UL)

40.0μm



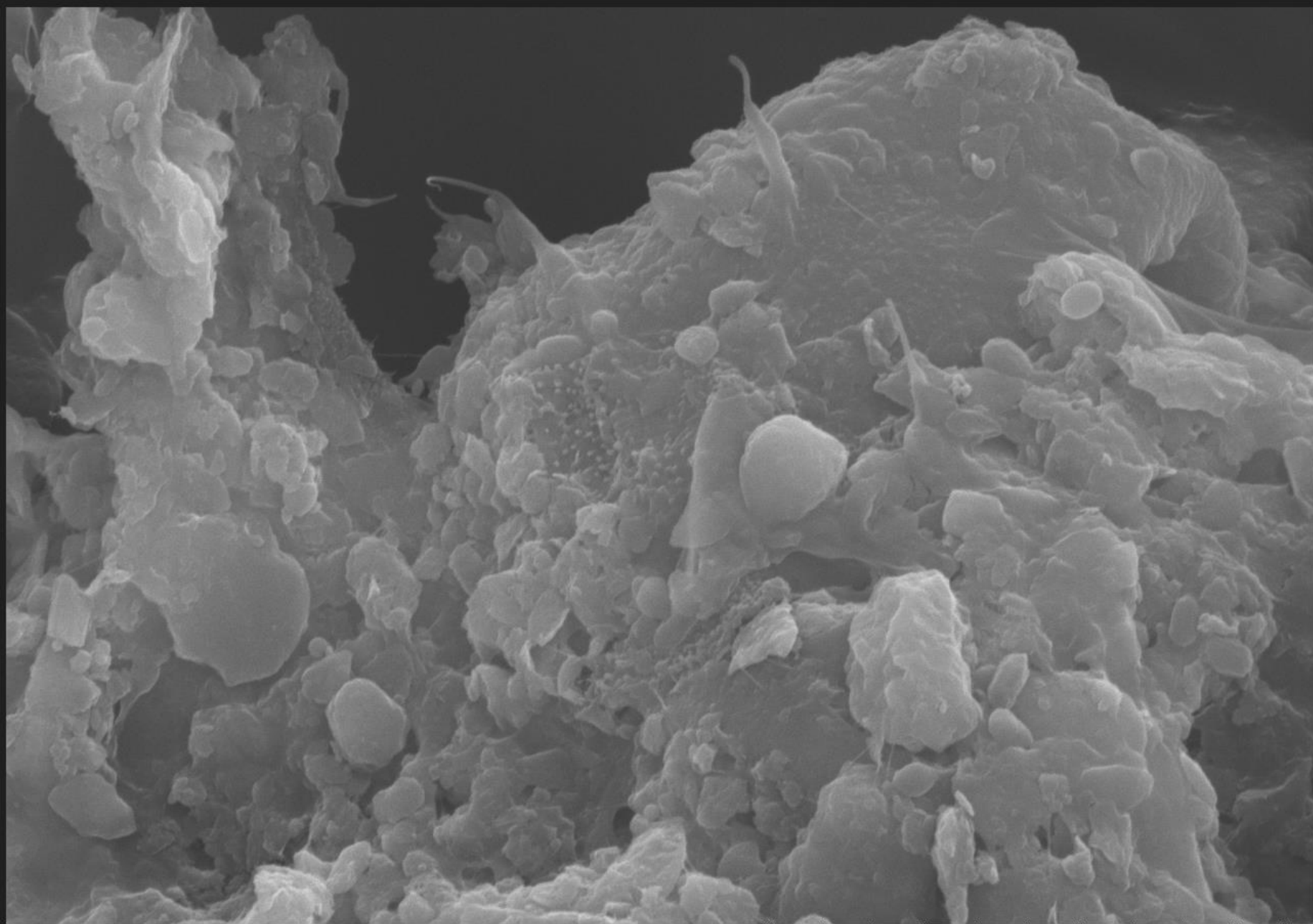
LBT 30.0kV 11.2mm x2.00k LM(UL)

20.0μm



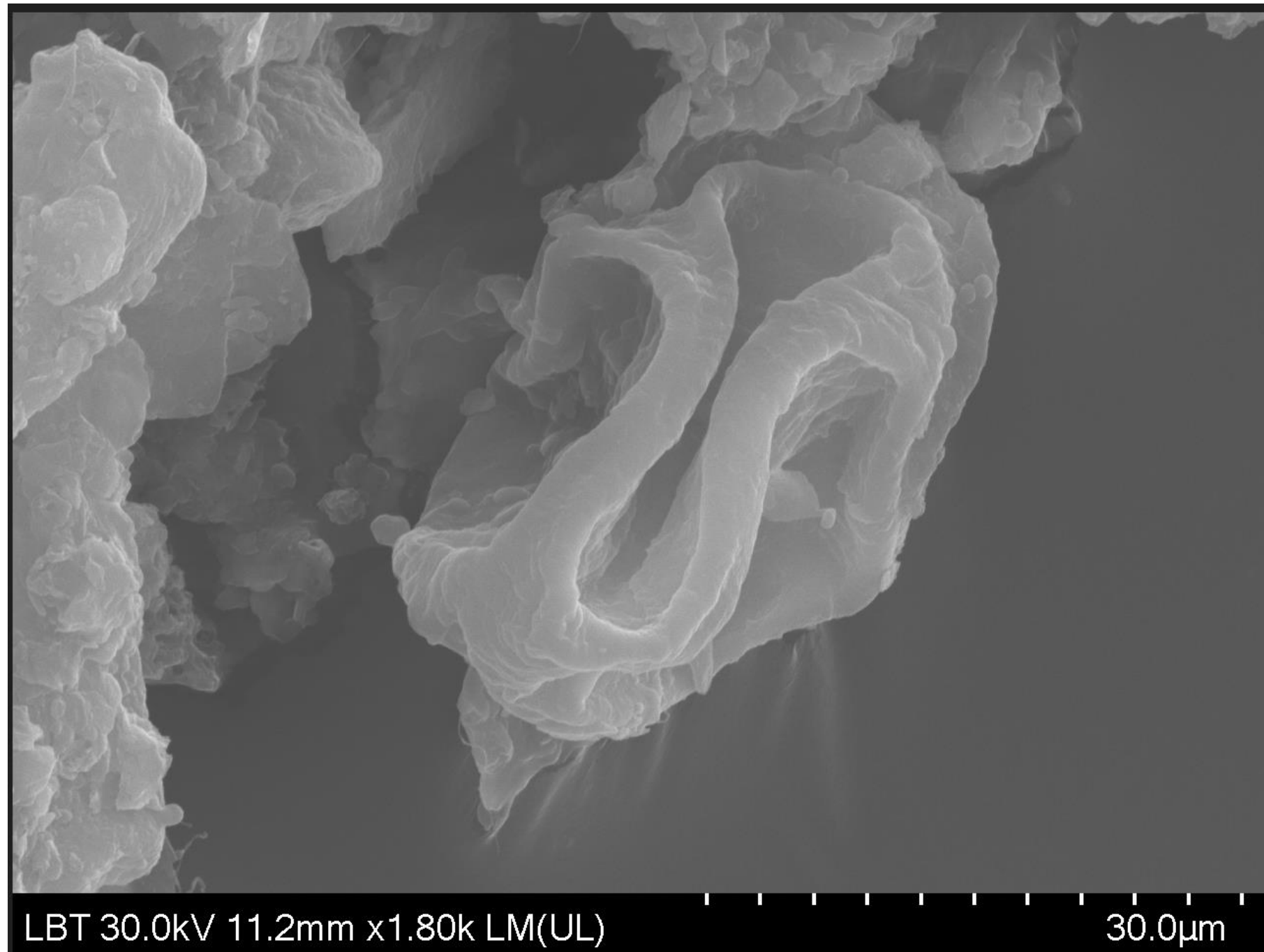
LBT 30.0kV 11.2mm x2.50k LM(UL)

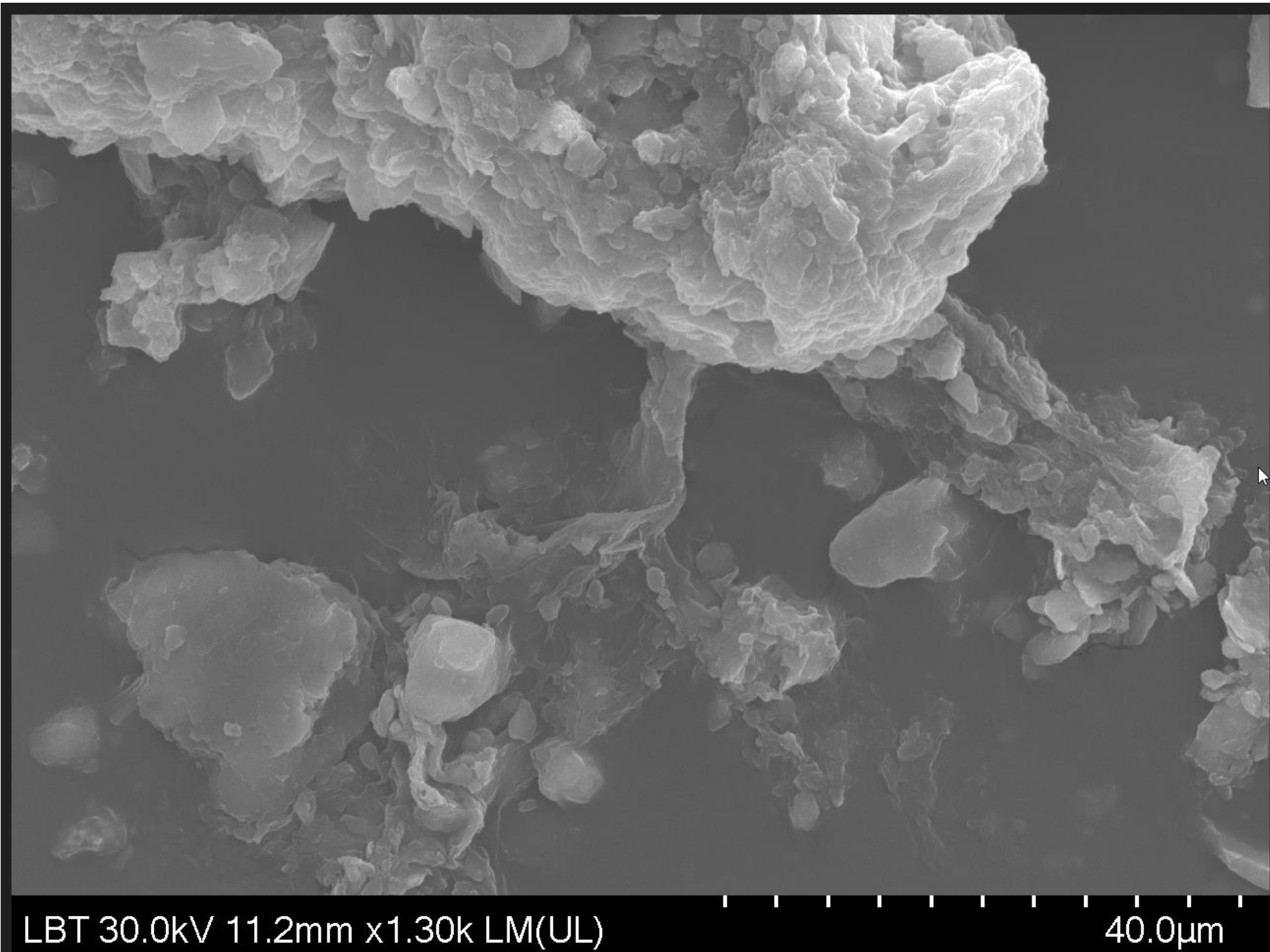
20.0μm

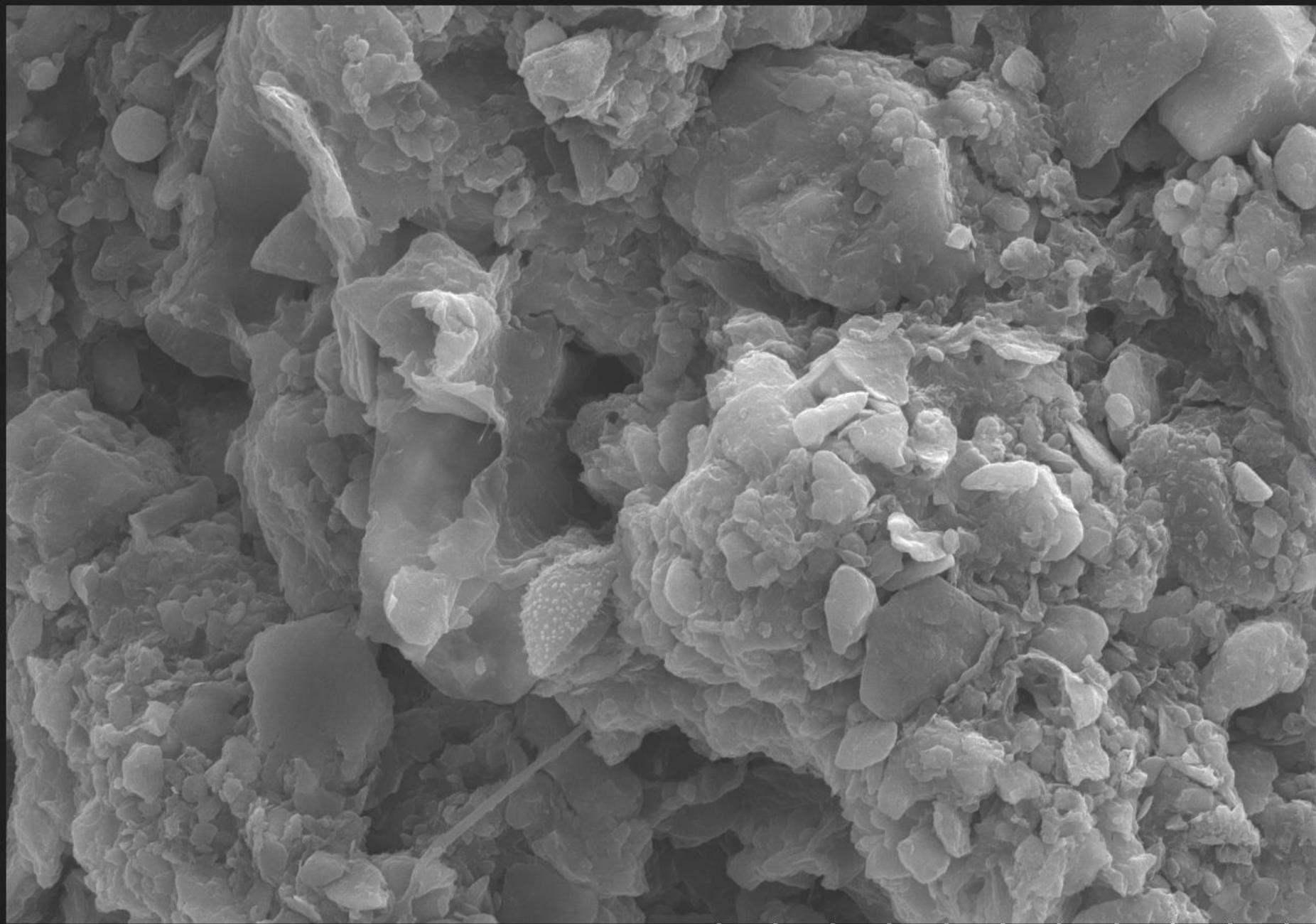


LBT 30.0kV 11.2mm x2.50k LM(UL)

20.0μm

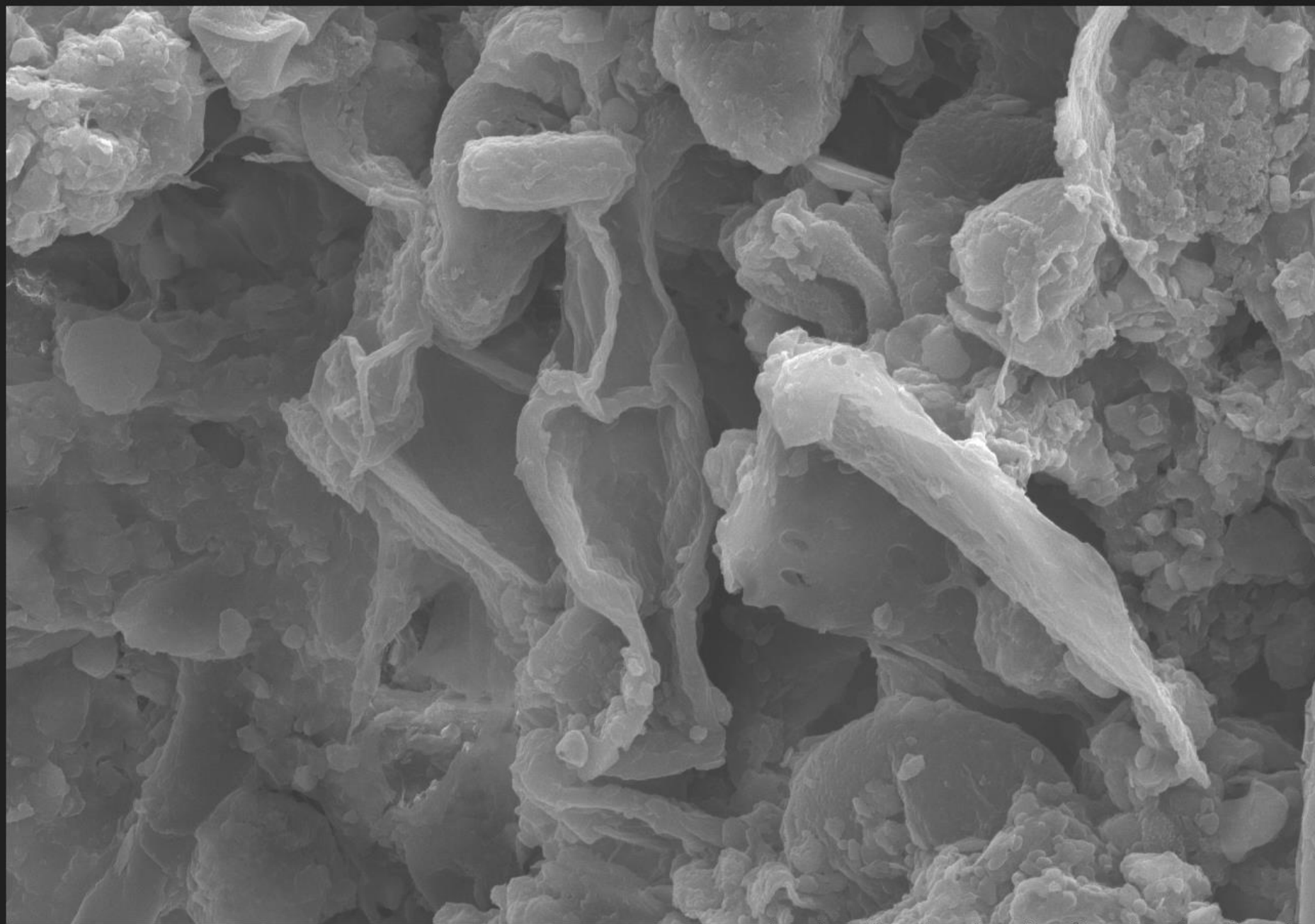






LBT 30.0kV 11.2mm x1.10k LM(UL)

50.0μm



LBT 30.0kV 11.2mm x1.00k LM(UL)

50.0μm

ANALIZA SEMICANTITATIVA A ELEMENTELOR DIN APA DE PLOAIE (FARA SEDIMENT-FILTRATĂ)

In atentie:
d-nei Dr. GEANINA HAGIMA

Date de contact:

E-mail: [REDACTED]

Tel: [REDACTED]

Alaturat va inaintam **Raportul de incercare** [REDACTED] privind determinarea parametrilor solicitati de Dvs., prin comanda cu nr. intrare [REDACTED]/18.07.2023 pentru proba de apa trimisa de dvs.

Solicitant: P.F. ([REDACTED] Dr. Geanina Hagima)

Date de contact: [REDACTED]

Tel: [REDACTED]

Natura probei: Apa

Solicitarea analizei: determinari concentratii metale

Elemente		Concentratii*
Minerale [mg/L]	Na	1.824
	Mg	0.584
	K	0.530
	Ca	2.271
Metale grele [µg/L]	Al	20.554
	Cr	0.089
	Mn	0.795
	Fe	11.392
	Co	0.020
	Ni	2.551
	Cu	5.101
	Zn	5.516

Metale toxice [µg/L]	As	0.111
	Cd	<0.001
	Sn	0.0012
	Hg	<0.001
	Pb	0.177
Pamanturi rare [µg/L]	Sc	<0.001
	La	0.006
	Ce	0.017
	Pr	0.003
	Nd	<0.001
	Sm	<0.001
	Eu	0.001
	Gd	<0.001
	Tb	0.001

Elemente critice tehnologice [$\mu\text{g/L}$]	Dy	<0.001
	Ho	<0.001
	Er	<0.001
	Tm	<0.001
	Yb	<0.001
	Lu	0.0001
	Te	<0.001
	Ge	<0.001
	Ga	0.010
	In	0.033
	Nb	0.022
	Ta	0.0017

Elemente din grupa platiniei [$\mu\text{g/L}$]	Pt	<0.001
	Pd	<0.001
	Os	<0.001
	Ir	<0.001
	Ru	<0.001
	Li	0.206
Metale alcaline, alcalino-pamantoase [$\mu\text{g/L}$]	Cs	<0.001
	Rb	<0.001
	Bc	0.111
	Ba	3.732
	Sr	4.757

Metale de tranziție [μg/L]	Zr	<0.001
	Hf	<0.001
	W	0.032
	Au	0.003
	Ag	<0.001
	Re	<0.001
	Ti	3.169
	V	0.186
	Mo	<0.001
	Bi	0.040
	Tl	<0.001